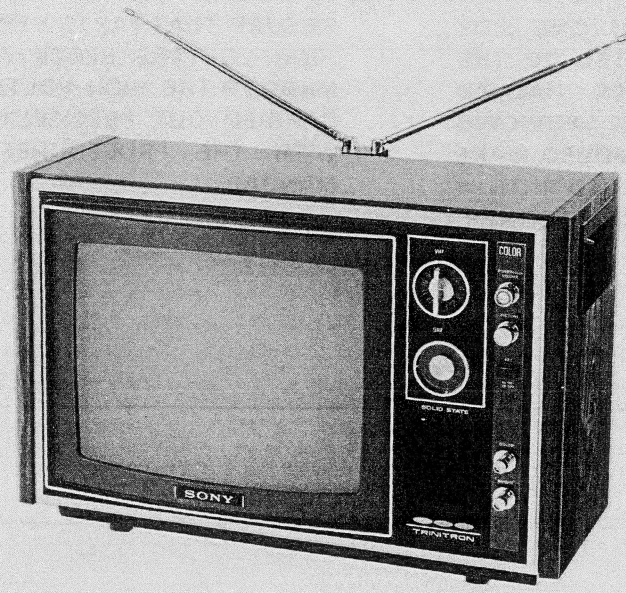
KV-1310R

Chassis No. SCC-81A-A



TRINITRON® COLOR TV

SPECIFICATIONS

TV-signal standards: OIRT system
SECAM color system

Picture tube: 13" (measured diagonally) 90° deflection TRINITRON system (Econoquick)

Semiconductors: 72 transistors, 57 diodes and 3 IC's

Antennas: VHF: 300 Ω balanced (*telescopic dipole antenna)
UHF: 300 Ω balanced
***Note:** Supplied with accessories

Channel coverage: VHF: ch. R1 ~ R12
UHF: ch. 21 ~ 68

Intermediate frequencies: Picture i-f carrier: 38.9 MHz
Color subcarrier: 34.47 MHz
Sound i-f carrier: 32.4 MHz

Sound system: 6.5 MHz intercarrier
Output power: 1.2 W (at 10 % harmonic distortion)
Speaker: 8 x 12 (cm) elliptical, 8 Ω

Video system: RGB cathode drive

Automatic controls: AFT (automatic fine tuning)
AGC (automatic gain control)
AFC (automatic frequency control)
ANC (automatic noise canceller)
ABL (automatic brightness limiter)
ACK (automatic color killer)
ADG (automatic degaussing)
AVR (automatic voltage regulator)

Power requirements: 220 Vac, 50 Hz

Power consumption: 78 W

Dimensions: 475 (w) x 321 (h) x 403 (d) mm

Net weight: 14.3 kg

Accessories: VHF telescopic dipole antenna (AN14-E)
Instruction manual

Anode voltage: 20 kV at zero beam current

SONY®
SERVICE MANUAL

WARNING!!

THIS CHASSIS OPERATES WITH ONE SIDE OF THE POWER LINE CONNECTED TO THE CHASSIS. TO ELIMINATE SHOCK HAZARD AND PROTECT EQUIPMENT WHEN SERVICING THE SET WITH THE COVERS REMOVED, MAKE SURE THAT THE SET IS PLUGGED INTO A SUITABLY-RATED ISOLATION TRANSFORMER.

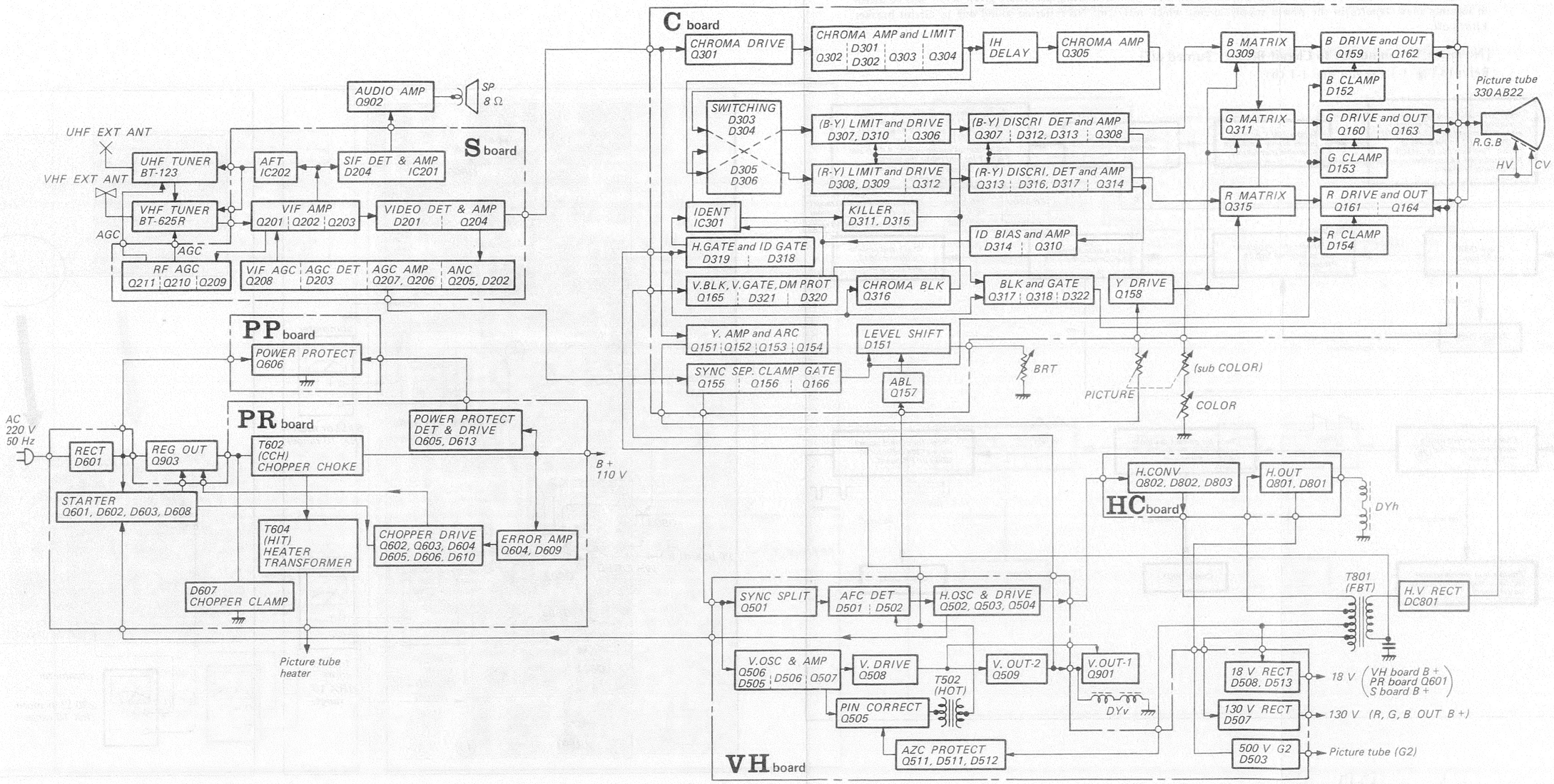
X-RAY RADIATION WARNING!!

BE SURE THAT PARTS REPLACEMENT IN THE HIGH VOLTAGE BLOCK AND ADJUSTMENTS MADE TO THE HIGH VOLTAGE CIRCUITS ARE CARRIED OUT PRECISELY IN ACCORDANCE WITH THE PROCEDURES GIVEN IN THIS MANUAL.

MEMO

SECTION 1
TECHNICAL DESCRIPTION

1-1. BLOCK DIAGRAM

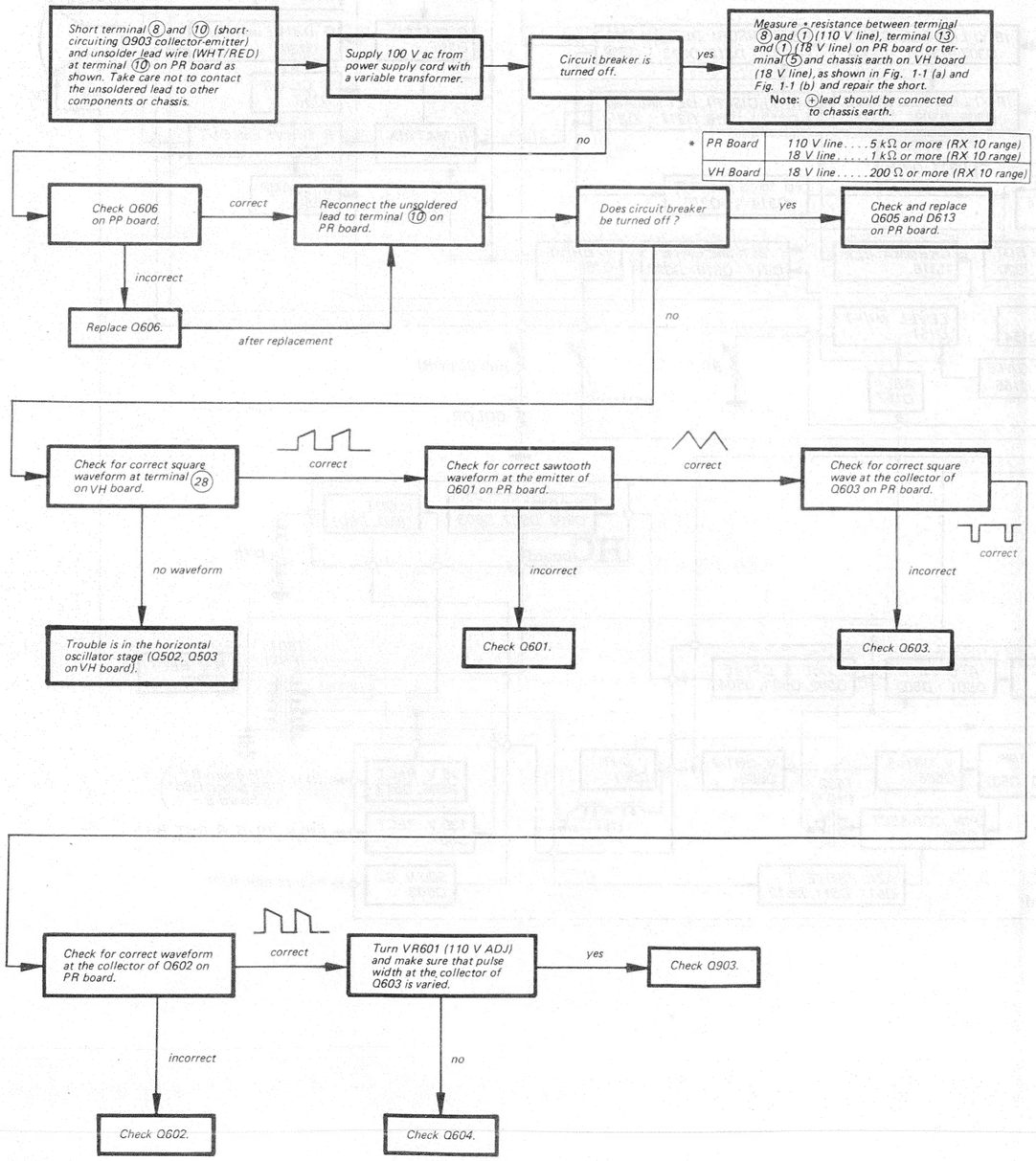


1-2. TROUBLESHOOTING CHART

Note: A complicated power supply circuit is used in KV-1310R, and troubles caused by this circuit may not be located by the conventional voltage check technique. Therefore the new troubleshooting procedure given below will be useful in locating these failures in the power supply circuit which result in: No raster-no sound due to circuit breaker turned off.

[No raster, No sound due to Circuit Breaker Turned off]

Refer to Fig. 1-1 (a) and Fig. 1-1 (b)



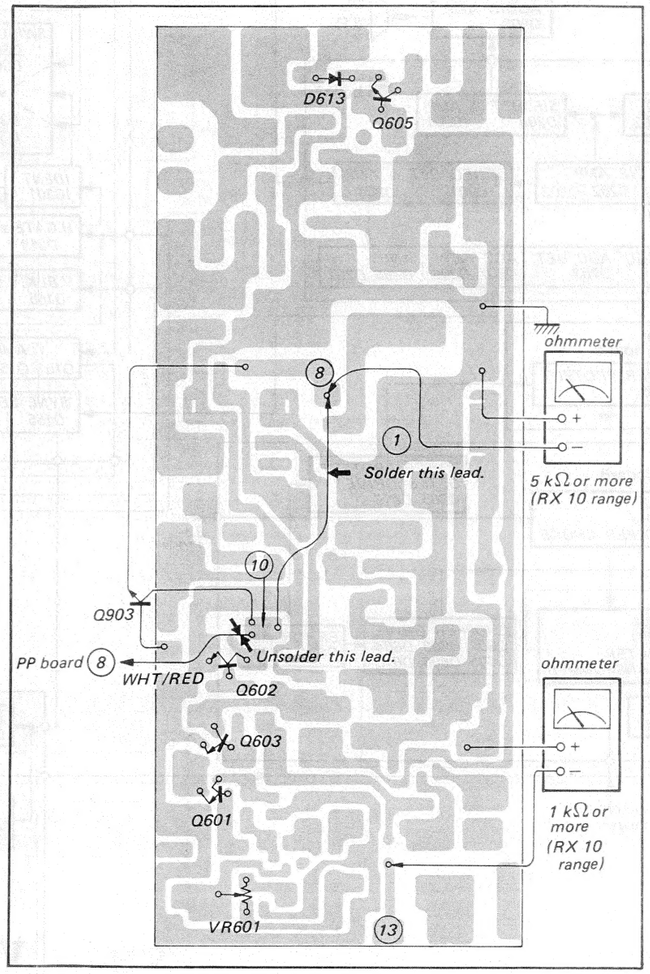


Fig. 1-1 (a). Check points on PR board

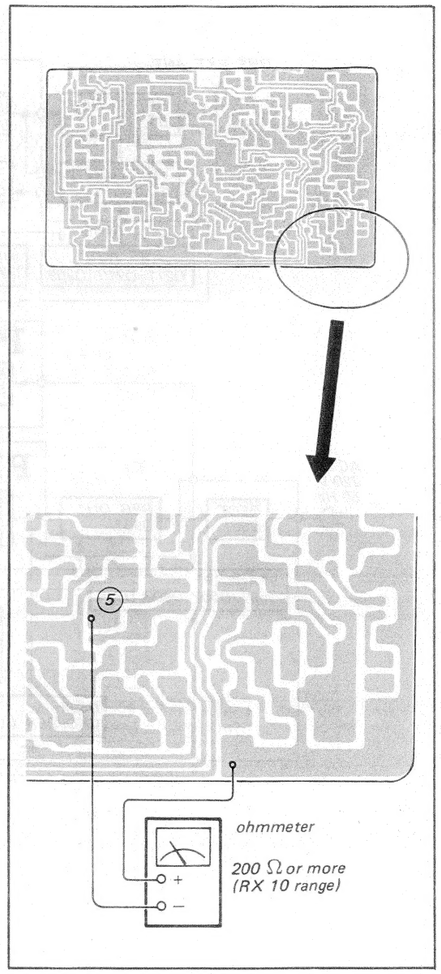
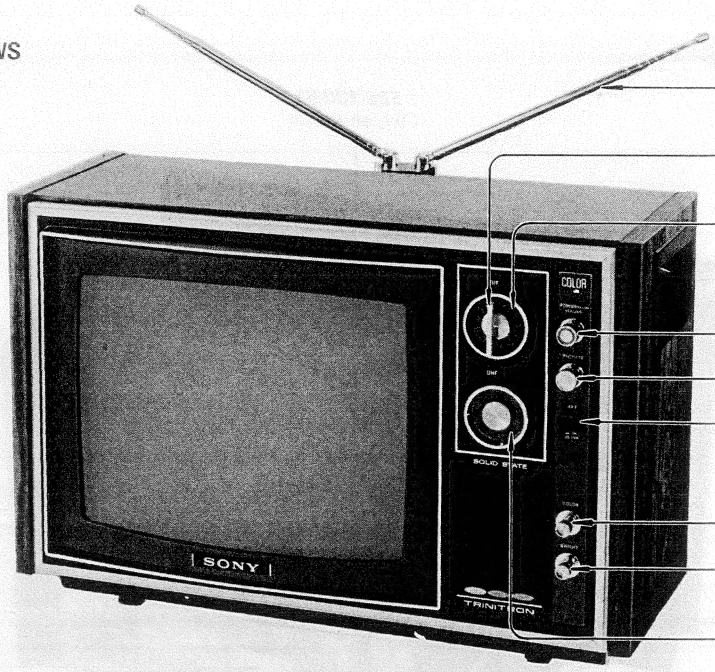


Fig. 1-1 (b). Check point on VH board

1-3. EXTERNAL VIEWS



Y-2201-631-0
VHF Telescopic Dipole Antenna (AN14-E)

X-4304-405-0
Knob Ass'y, VHF channel selector

X-4304-406-0
Knob Ass'y, VHF fine tuning

X-4305-009-0
Knob Ass'y, PULL ON/VOL control

X-4305-010-0
Knob Ass'y, PICTURE control

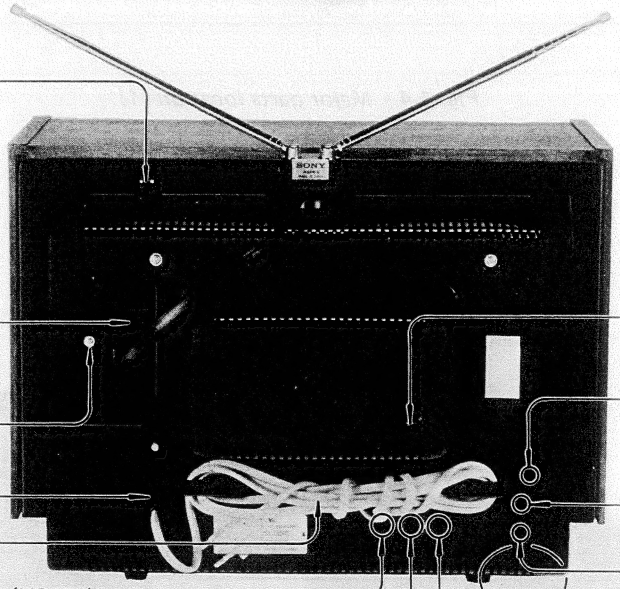
4-305-035-00
Pushbutton, AFT switch

X-4307-309-0
Knob Ass'y, COLOR control

X-4307-309-0
Knob Ass'y, BRIGHT control

X-4304-407-0
Knob Ass'y, UHF tuning

Fig. 1-2. Front View



X-4302-811-0
Knob Ass'y, VER control

1-536-358-12
Terminal Board Ass'y, antenna

1-515-119-00
Circuit Breaker, 1.25 A (S902)

4-306-549-00
Grommet, power cord

1-534-587-00
Cord, power

1-222-344-00
5 k, adjustable
R.BKG (VR156)
B.BKG (VR154)
G.BKG (VR155)

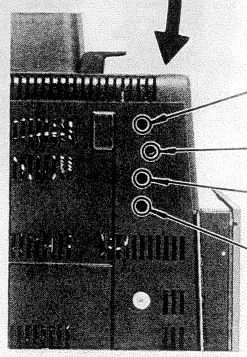
1-222-809-00
500 k, adjustable; SCRN (VR701)

1-223-017-00
50, adjustable; H.CENT (VR503)

1-223-344-00
5 k, adjustable; H.SIZE (VR505)

1-222-512-00
10 k, adjustable; V.SIZE (VR506)

Fig. 1-3. Rear View



1-222-512-00
10 k, adjustable; V.LIN (VR507)

1-223-017-00
50, adjustable; TILT (VR502)

1-222-725-00
20 k, adjustable; PIN ADJ (VR504)

1-222-725-00
20 k, adjustable; H.FREQ (VR501)

1-4. INTERNAL VIEWS

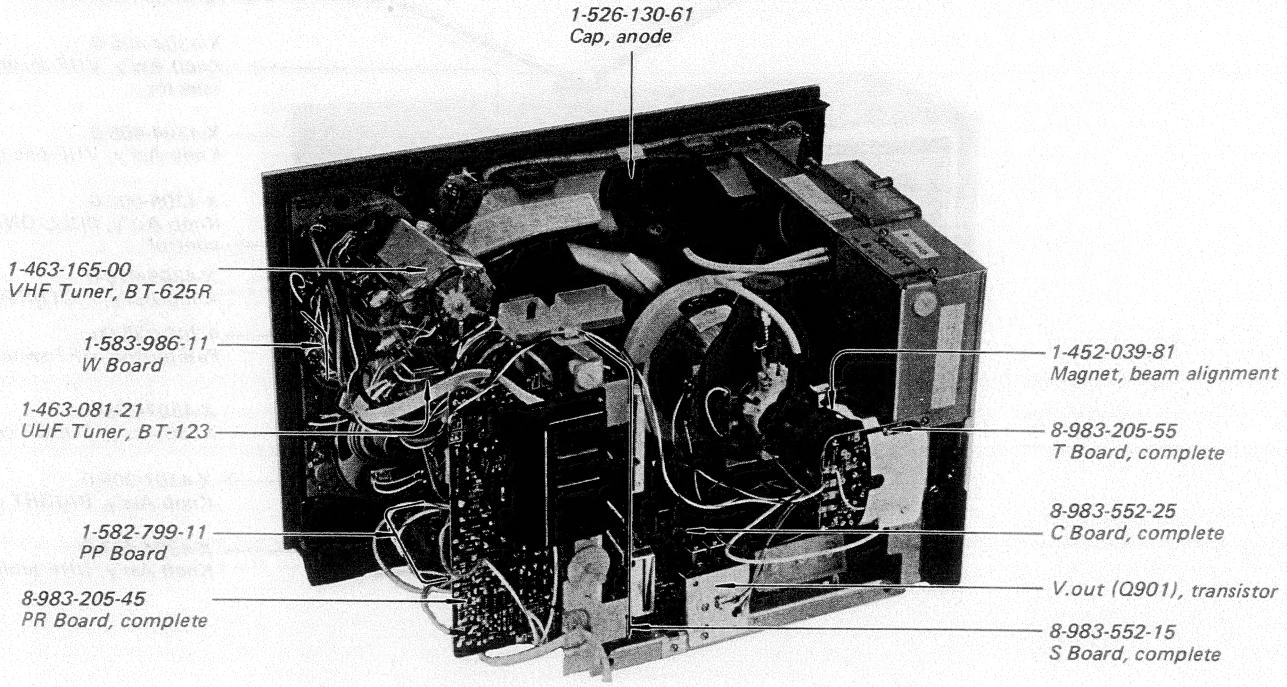


Fig. 1-4. Major parts location (1)

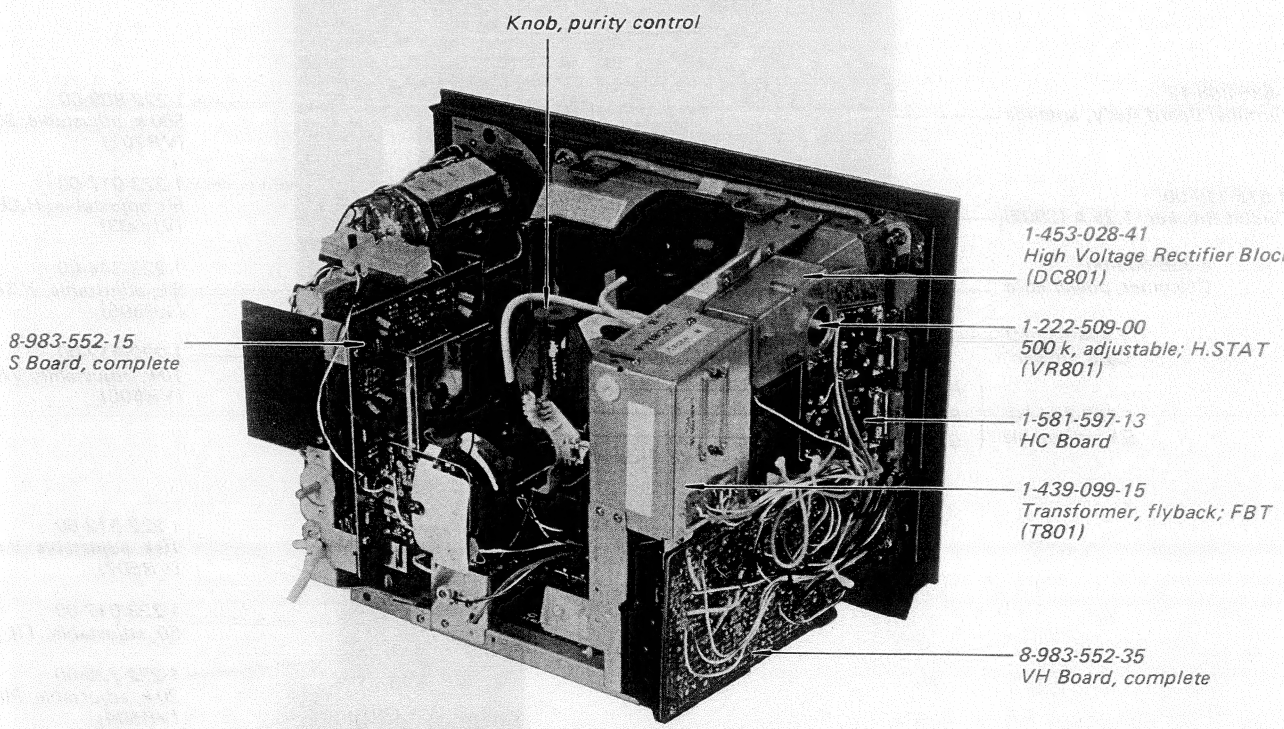


Fig. 1-5. Major parts location (2)

SECTION 2
DISASSEMBLY AND REPLACEMENT

Note: All screws in this set are Phillips (cross recess) type unless otherwise noted.

2-1. CABINET REMOVAL

Circled numbers indicate sequence.

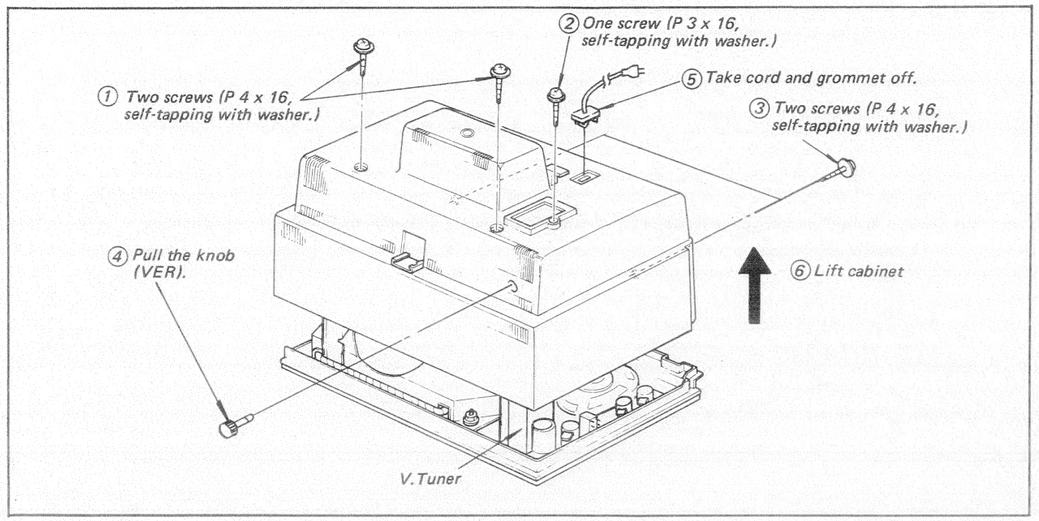


Fig. 2-1. Cabinet Removal

2-2. VHF, UHF TUNERS REMOVAL AND UHF TUNER DIAL CALIBRATION

Remove cabinet as described in 2-1, and then proceed to following steps.
Circled numbers indicate sequence.

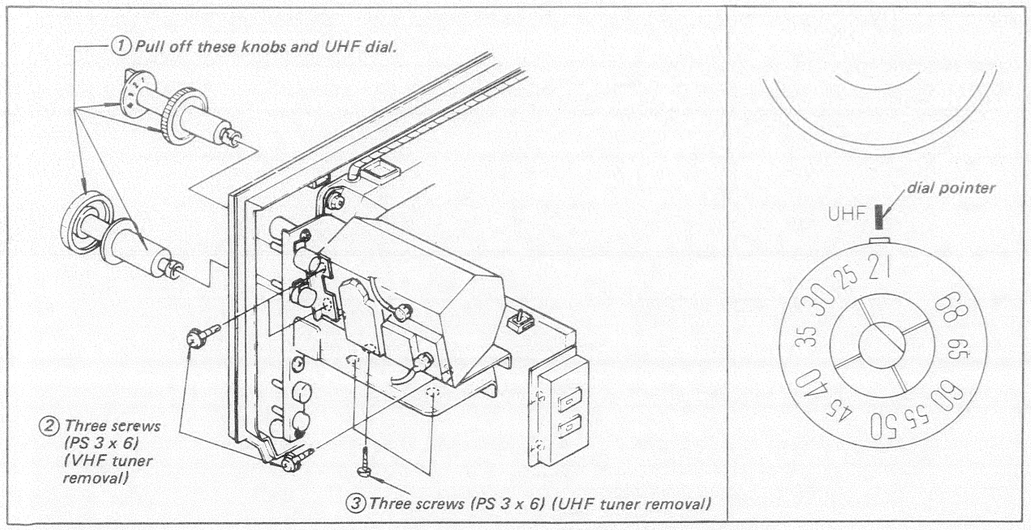


Fig. 2-2. Tuners removal and UHF dial calibration

[UHF Dial Calibration]

Turn UHF tuner shaft counterclockwise as far as UHF dial will not turn any more, and then set the dial to the position where channel digit "21" meets the pointer as shown.

2-3. SWITCHES, CONTROLS AND DIAL LAMP REPLACEMENT

Remove cabinet as described in 2-1 first, and then take out the tuner chassis where controls, switches and dial lamps are mounted. Circled numbers indicate sequence. This enables replacement of defective components.

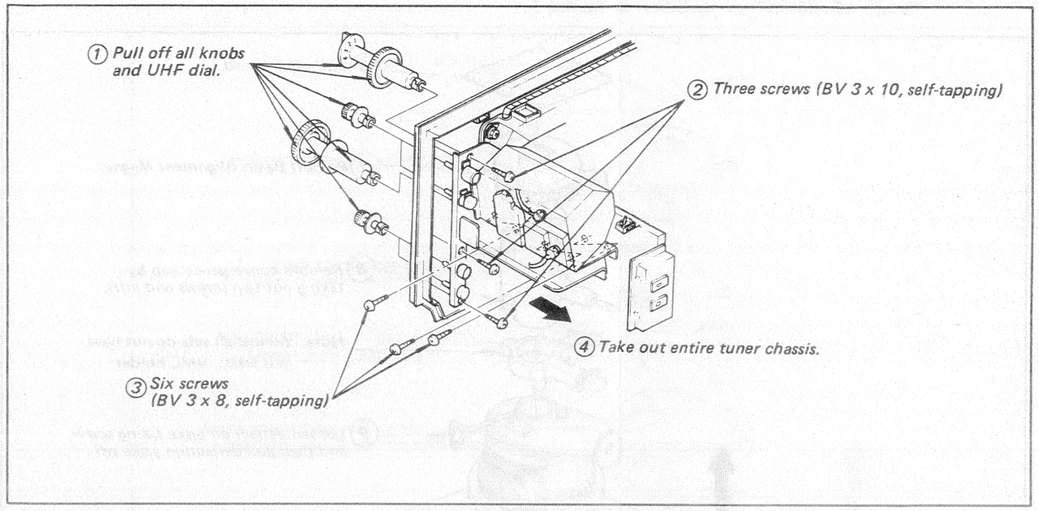


Fig. 2-3. Tuner chassis removal

2-4. SPEAKER REMOVAL

Remove cabinet as described in 2-1, and then proceed to following steps. Circled numbers indicate sequence.

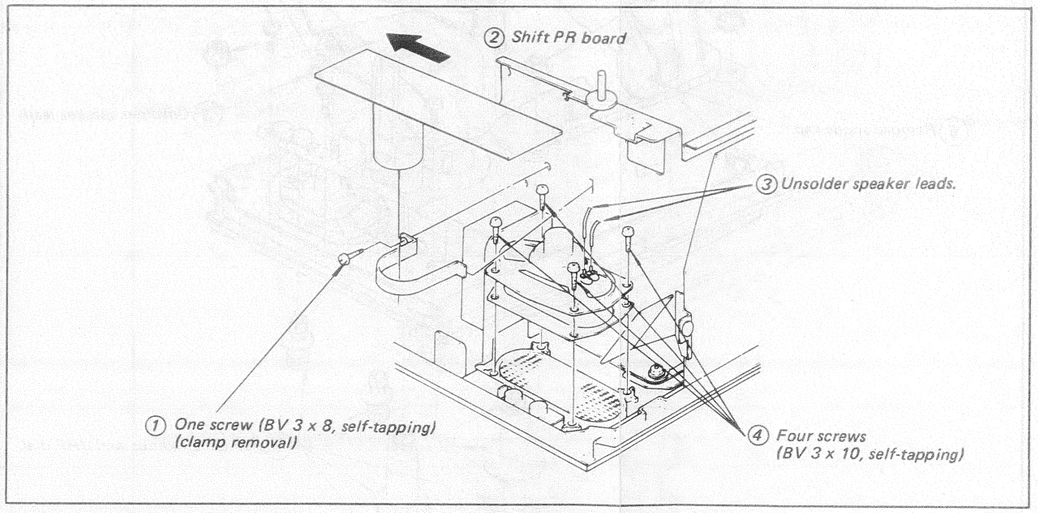


Fig. 2-4. Speaker removal

2-5. PICTURE TUBE REMOVAL

Remove cabinet as described in 2-1, and then proceed to following steps. Circled numbers indicate sequence.

Note: Place the set on the protective sheet with the picture tube face down. After completing the replacement, proceed to "Setup Adjustment" as described in Section 3.

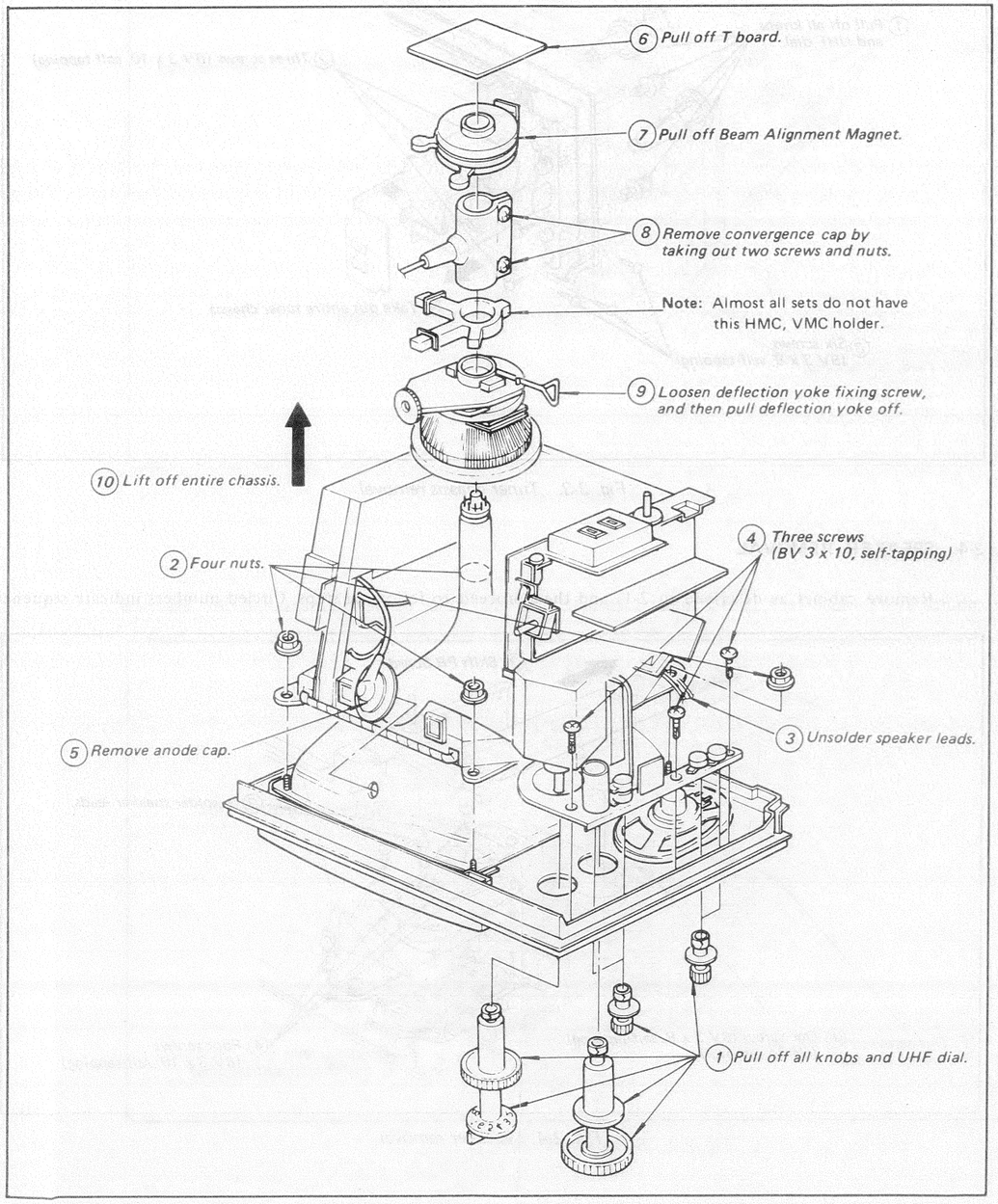


Fig. 2-5. Picture tube removal

MEMO

SECTION 3

SETUP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

Control and switch should be set as follows:

BRT controls . . . fully clockwise
AFT switch . . . . . ON

Perform the adjustments in order as follows:

1. Beam Landing Adjustments
2. Convergence Adjustments
3. White Balance Adjustments

Note: Test Equipment Required
1. Color-bar/pattern generator
2. Degausser

3-1. BEAM LANDING ADJUSTMENTS

Receive no signal.

Before starting this adjustment, demagnetize the whole screen securely with degausser.

1. Loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Adjust purity control to center the slide between two projections as shown in Fig. 3-1.
4. Slide deflection yoke forward as far as it will go.
5. Disconnect BLU and GRN lead wires on the T board.
6. Turn purity control to center vertical red band as shown in Fig. 3-2.
7. Slide deflection yoke backward for a uniform red screen.
8. Check green and blue rasters for uniformity. Repeat the Steps 5, 6 and 7.
   To get a uniform green screen
   . . . . . Connect green lead on the T board.
   Disconnect red and blue leads.

   To get a uniform blue screen
   . . . . . Connect blue lead on the T board.
   Disconnect red and green leads.

   After this checks, connect the RED, BLU and GRN leads.
9. Check if mislanding appears at corners a ~ d as shown in Fig. 3-3. If mislanding is observed, correct it as shown in Fig. 3-4.
10. Tighten the deflection yoke screw and then put the deflection yoke spacers.

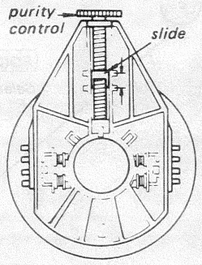


Fig. 3-1.

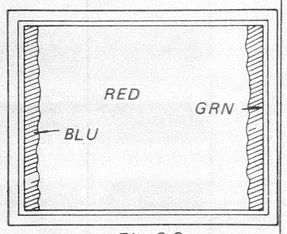


Fig. 3-2.

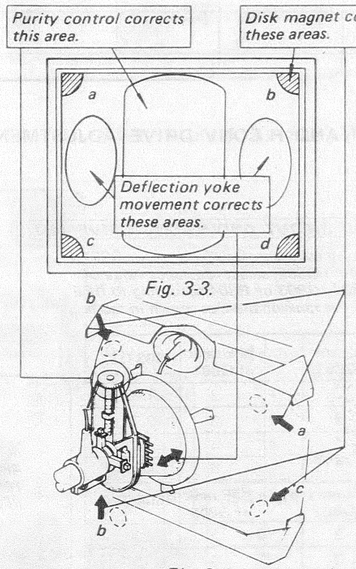


Fig. 3-3.

Fig. 3-4.

3-4. WHITE BALANCE ADJUSTMENTS

Receive the crosshatch pattern.

1. Turn BRT and PICTURE controls fully counter-clockwise.
2. Turn VR153 (R.DRIVE), VR151 (B.DRIVE) and VR152 (G.DRIVE) fully clockwise.
3. Set VR156 (R.BKG), VR154 (B.BKG) and VR155 (G.BKG) to mechanical center.
4. Turn VR701 (SCRN) slowly to obtain a faintly visible crosshatch. Memorize the colour which becomes visible first by turning VR701. Do not touch a BKG control of this colour signal.
5. Adjust the other two BKG controls for best white balance (neutral gray) at faintly visible screenlight.
6. Turn BRT and PICTURE controls fully clockwise. Observe the screen and adjust the DRIVE controls for best white balance.
7. Repeat Steps 1 through 6 several times.

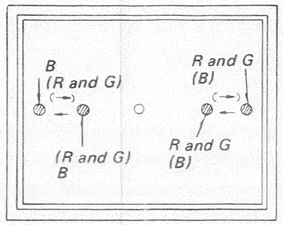
3-3. DYNAMIC CONVERGENCE ADJUSTMENTS

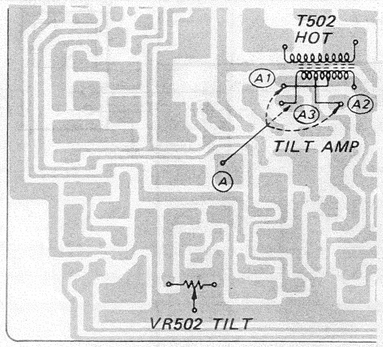
Receive the dot pattern.

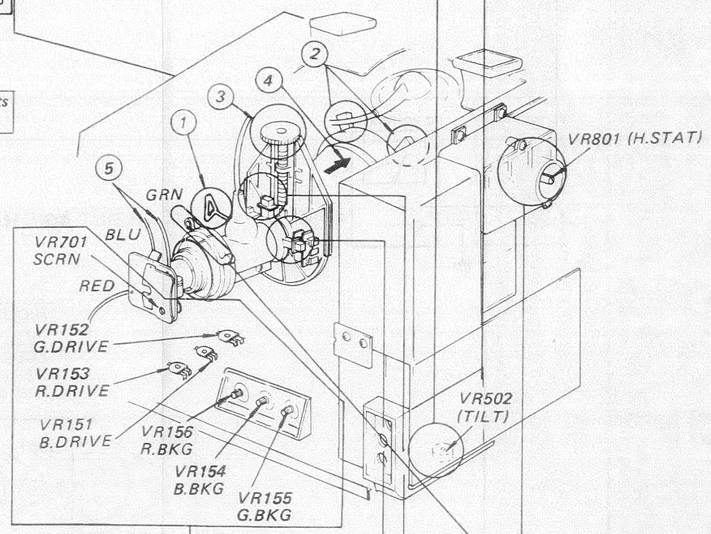
1. Misconvergence at Both Sides of Screen

(1) Adjust VR502 (TILT). (2) Select one of A1 ~ A3 for best convergence.

If misconvergence persists, perform Step (2).

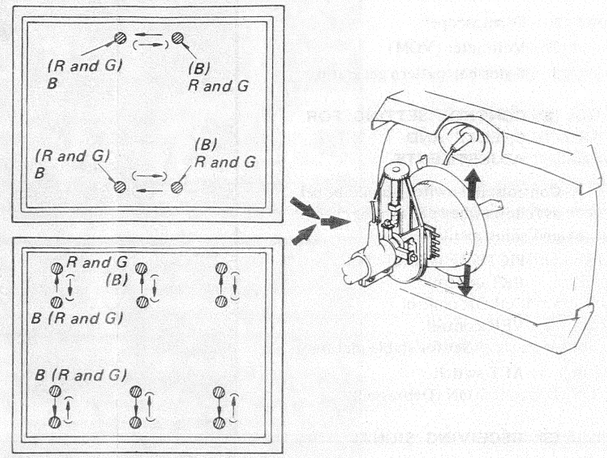






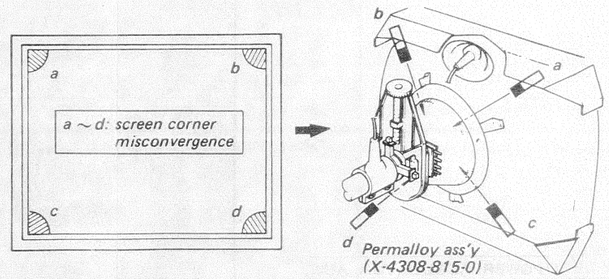
2. Top and Bottom Misconvergence

Raise or lower the front edge of the deflection yoke.

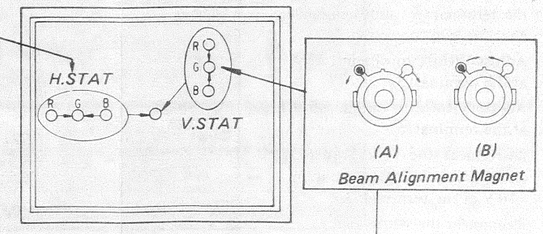


3. Screen-corner Convergence

Affix a permalloy ass'y corresponding to the misconverged areas.



3-2. HORIZONTAL AND VERTICAL STATIC CONVERGENCE ADJUSTMENTS



VMC magnet movement corrects insufficient H.static convergence.

HMC magnet movement corrects insufficient V.static convergence.

SECTION 4
CIRCUIT ADJUSTMENTS

4-1. POWER REGULATOR ADJUSTMENTS

Note:

(1) TEST EQUIPMENT REQUIRED

1. Oscilloscope
2. Voltmeter (VOM)
3. Color-bar/pattern generator

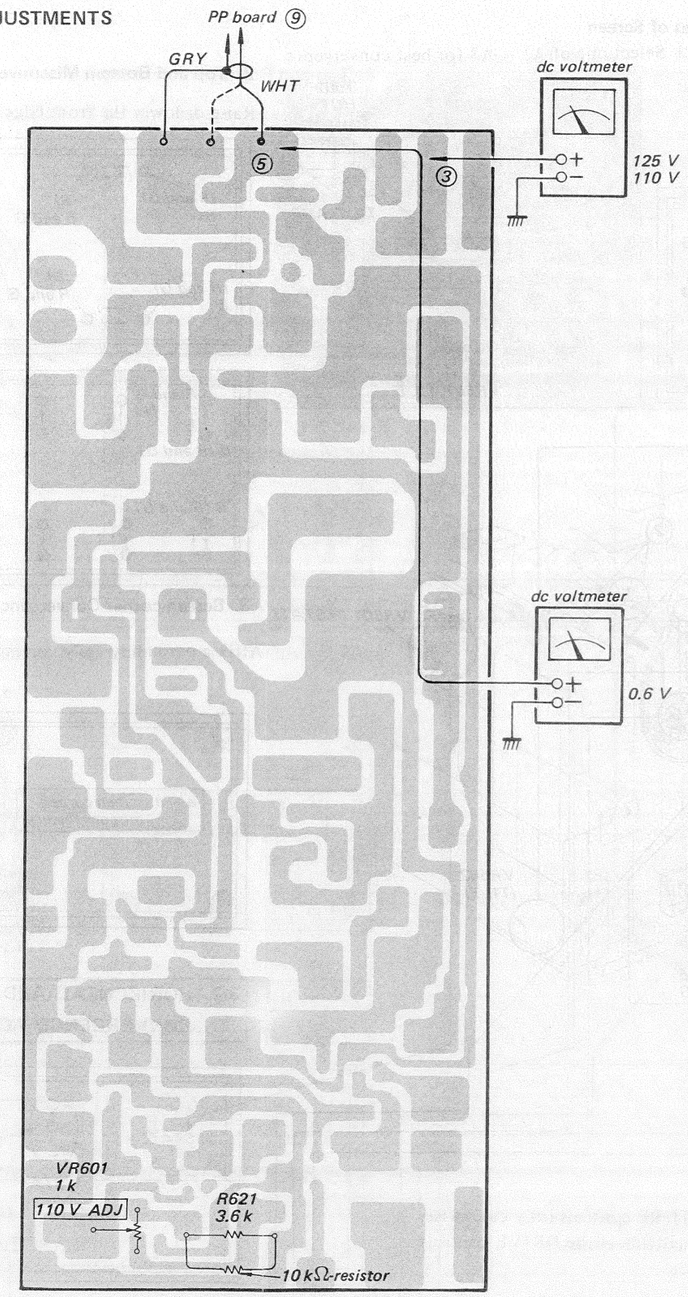
(2) CONTROL SETTING FOR CHECKS AND ADJUSTMENTS

Controls and switch should be set as follows when performing checks and adjustments.

PICTURE control
BRT control
COLOR control
VER control
. . . . . Set for stable picture
AFT switch
. . . . . ON (Depressed)

(3) RECEIVING SIGNAL

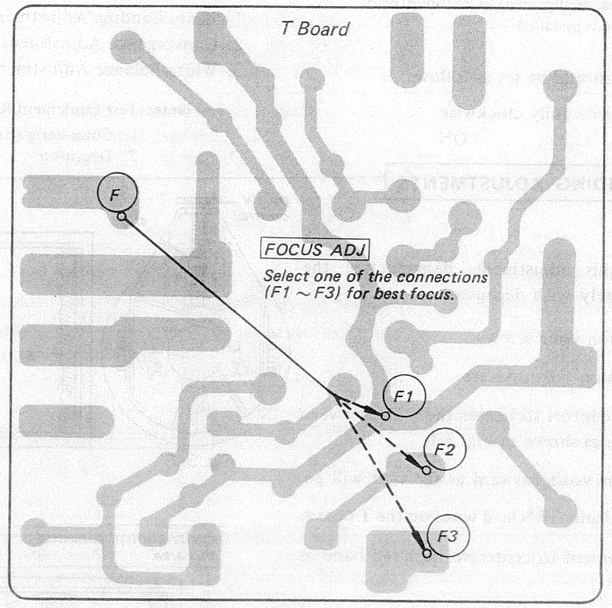
When performing these adjustments, receive a crosshatch signal, a color-bar signal or an off-the-air signal.



POWER REGULATOR ADJ.

1. Confirm 220 V power voltage.
2. Connect a 10 kΩ-resistor as shown in figure.
3. Disconnect the white lead at the terminal ⑤ and then connect the lead to ground.
4. Adjust VR601 to obtain 125 V at the terminal ③.
5. Adjust VR602 to obtain 0.6 V at the terminal ⑤.
6. Disconnect the 10 kΩ-resistor and readjust VR601 to obtain 110 V at the terminal ③.
7. Reconnect the white lead.

4-2. FOCUS ADJUSTMENT

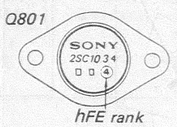


4-3. H.OUT AND H.CONV DRIVE ADJUSTMENT

H.OUT AND H.CONV DRIVE ADJ

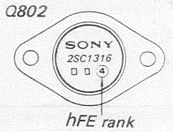
When replacing transistor Q801 or Q802, select resistance value of R803 or R804 according to hFE rank of them as shown in table.

Q801

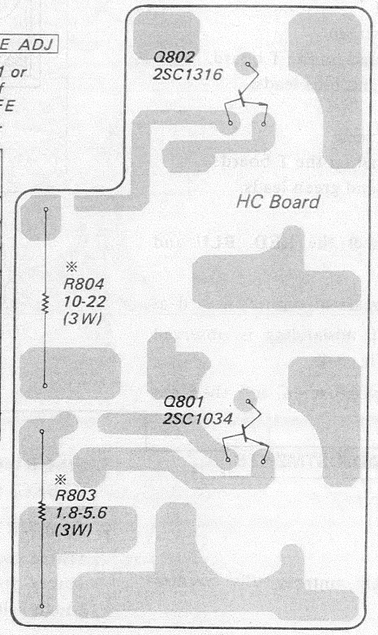


hFE rank of Q801	R803 (Ω)
2	1.8
3	2.7
4	4.7
5	5.6

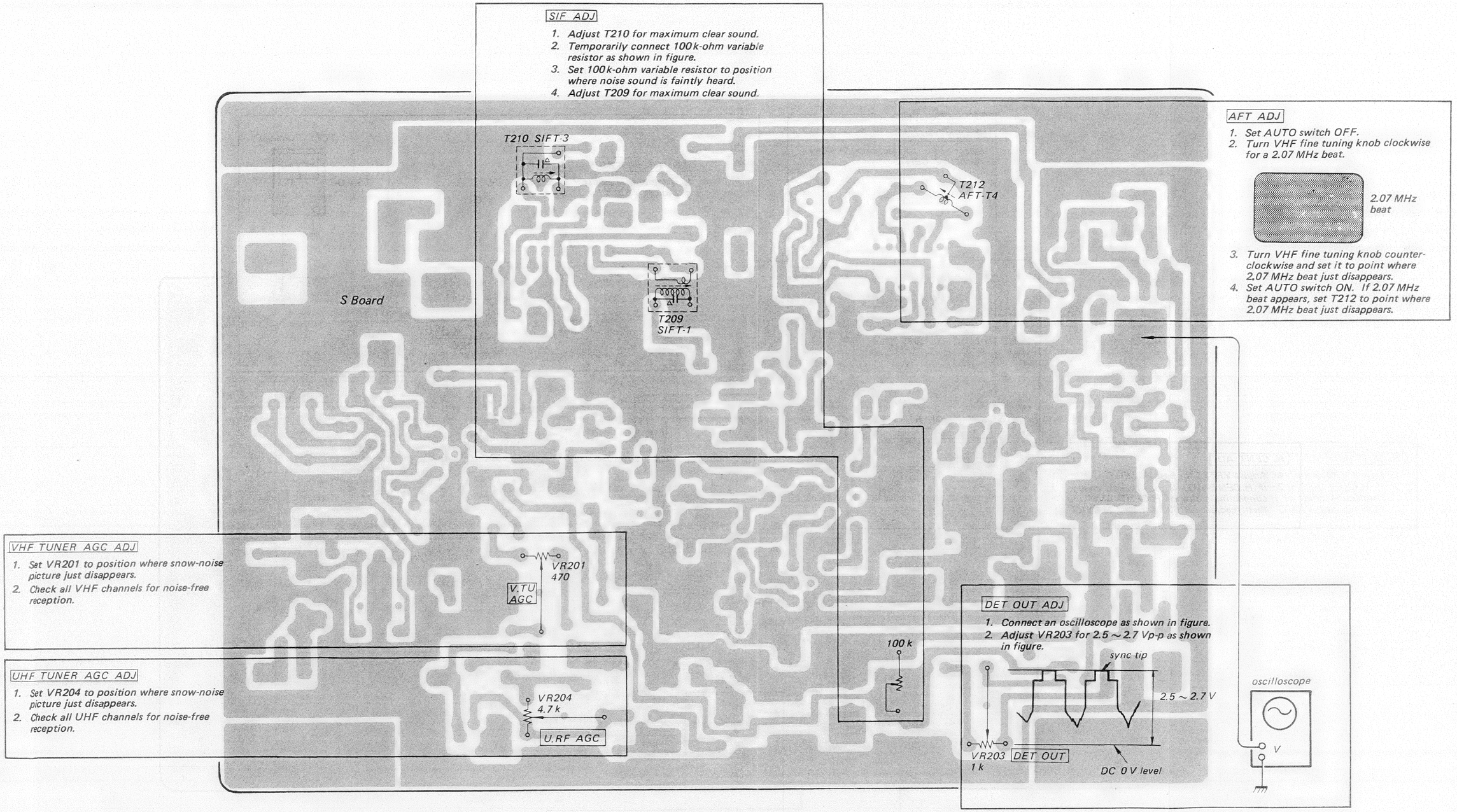
Q802



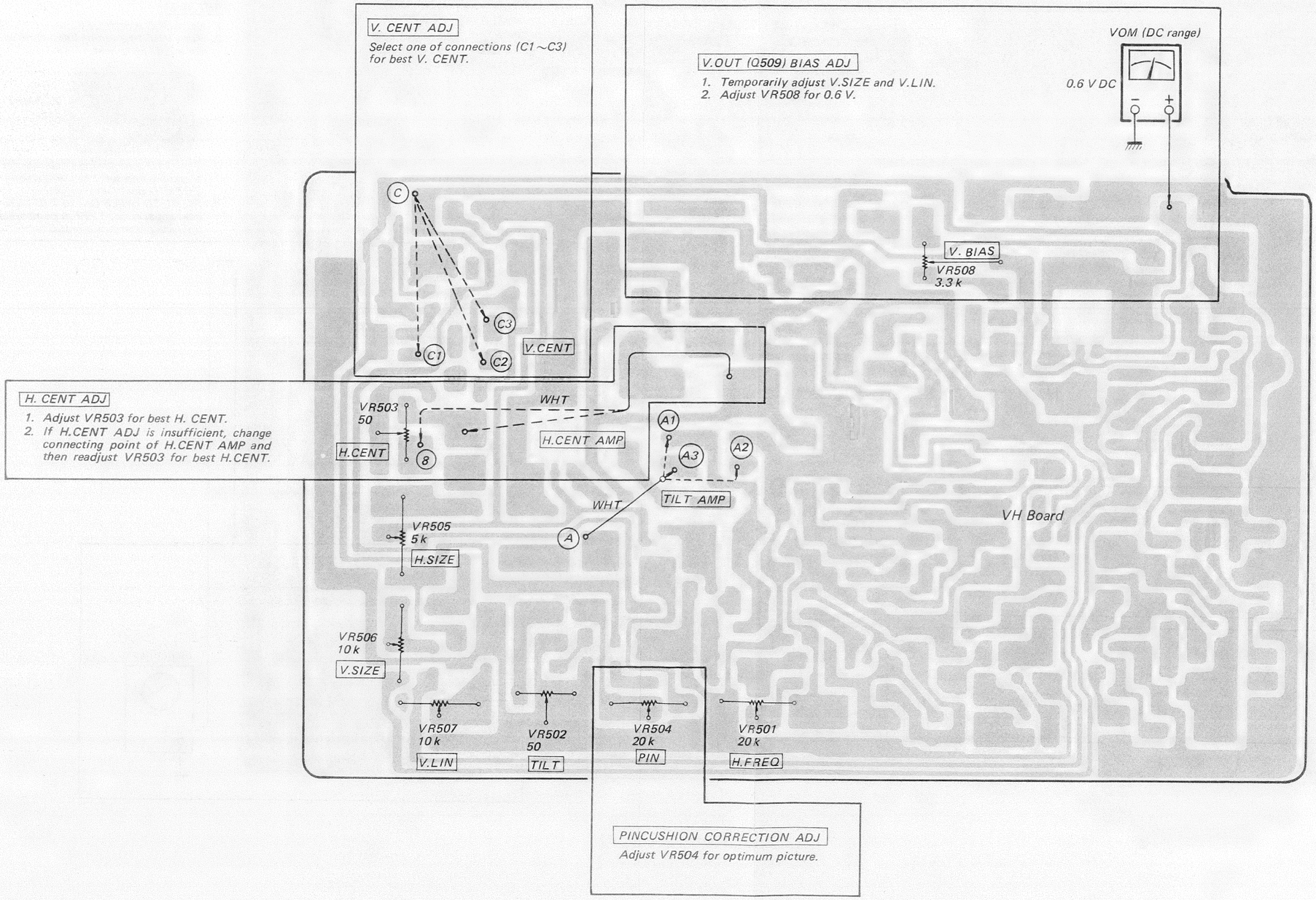
hFE rank of Q802	R804 (Ω)
2	10
3	15
4	18
5	22



4-4. ADJUSTMENTS ON S BOARD

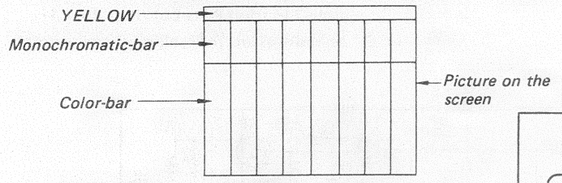


4-5. ADJUSTMENTS ON VH BOARD



4-6. ADJUSTMENTS ON C BOARD

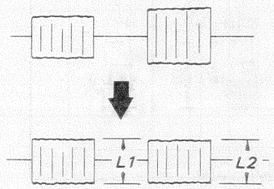
Note: *1. Receive the color-bar signal.*

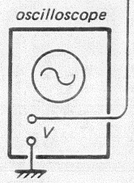


2. Control settings
Turn BRT and PICTURE controls to obtain optimum picture and turn COLOR control fully clockwise.

LEVEL ADJ (between direct channel and delayed channel)

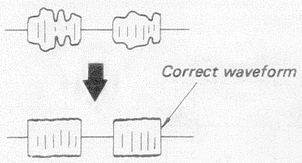
1. *Connect an oscilloscope.*
2. *Adjust VR301 to make L1 equal L2.*

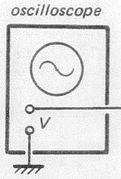




BELL CHARACTERISTIC ADJ

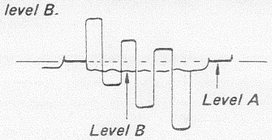
1. *Connect an oscilloscope.*
2. *Adjust L302 to obtain a correct waveform.*

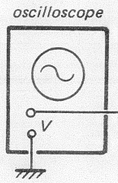




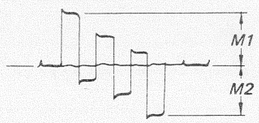
B-Y DISCRIMINATOR ADJ

1. *Connect an oscilloscope.*
2. *Adjust T303 to make the level A coincide with the level B.*

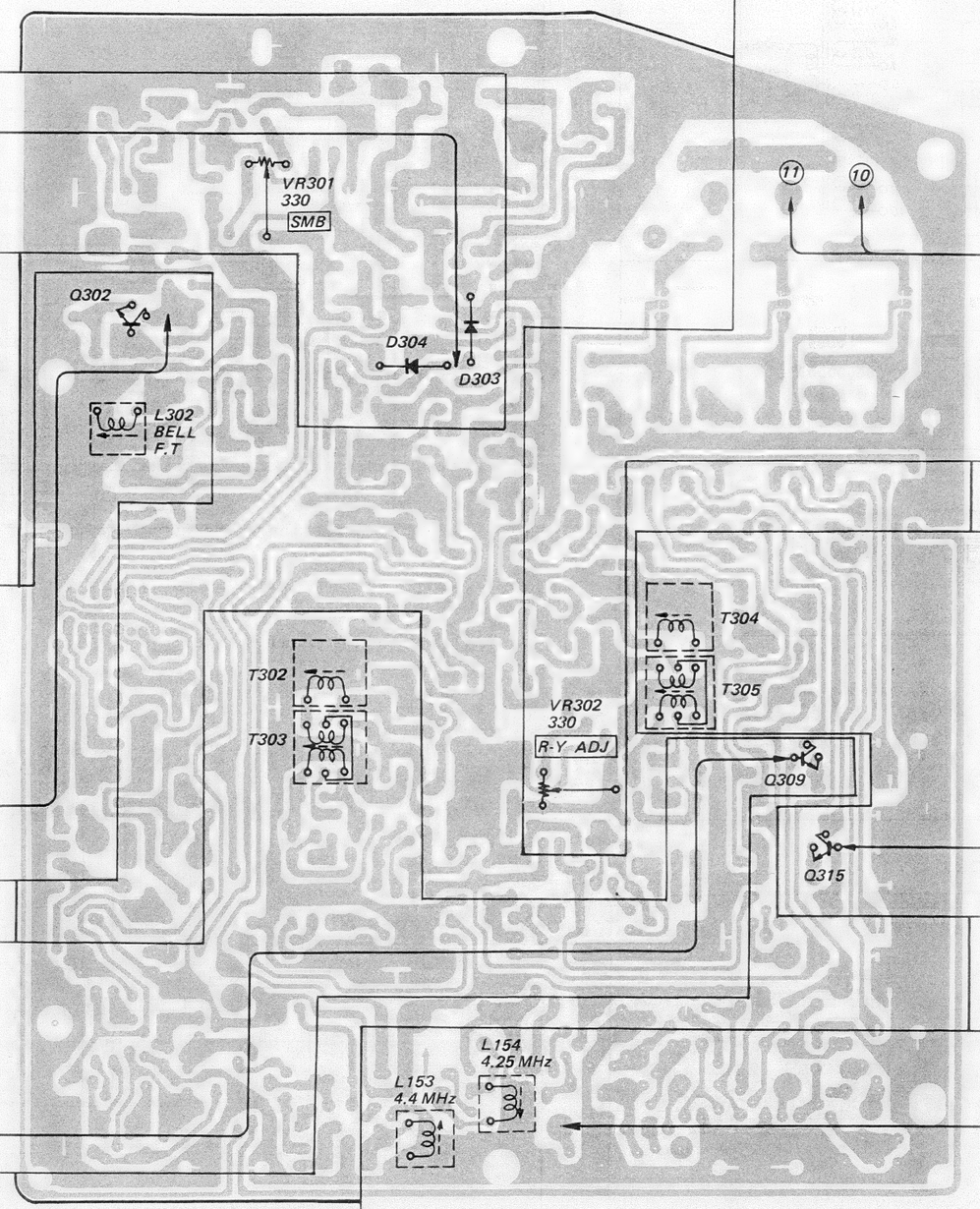




3. *Adjust T302 to make M1 equal M2.*

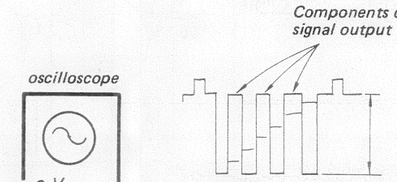


4. *Repeat Steps 2 and 3 to obtain optimum waveform.*

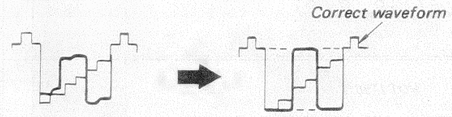


B-Y LEVEL ADJ

1. *Connect an oscilloscope at the terminal (11).*
2. *Turn COLOR control so that components of blue signal output become the same.*

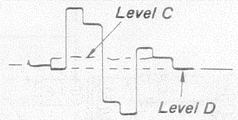


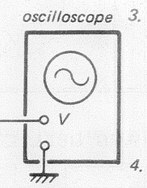
3. *Connect an oscilloscope at the terminal (10).*
4. *Adjust VR302 to obtain a correct waveform.*



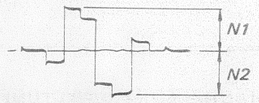
R-Y DISCRIMINATOR ADJ

1. *Connect an oscilloscope.*
2. *Adjust T305 to make the level C coincide with the level D.*





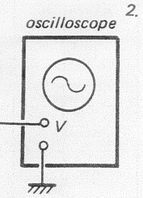
3. *Adjust T304 to make N1 equal N2.*

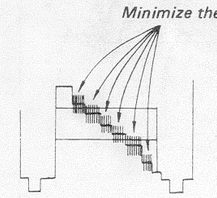


4. *Repeat Steps 2 and 3 to obtain optimum waveform.*

Y TRAP ADJ

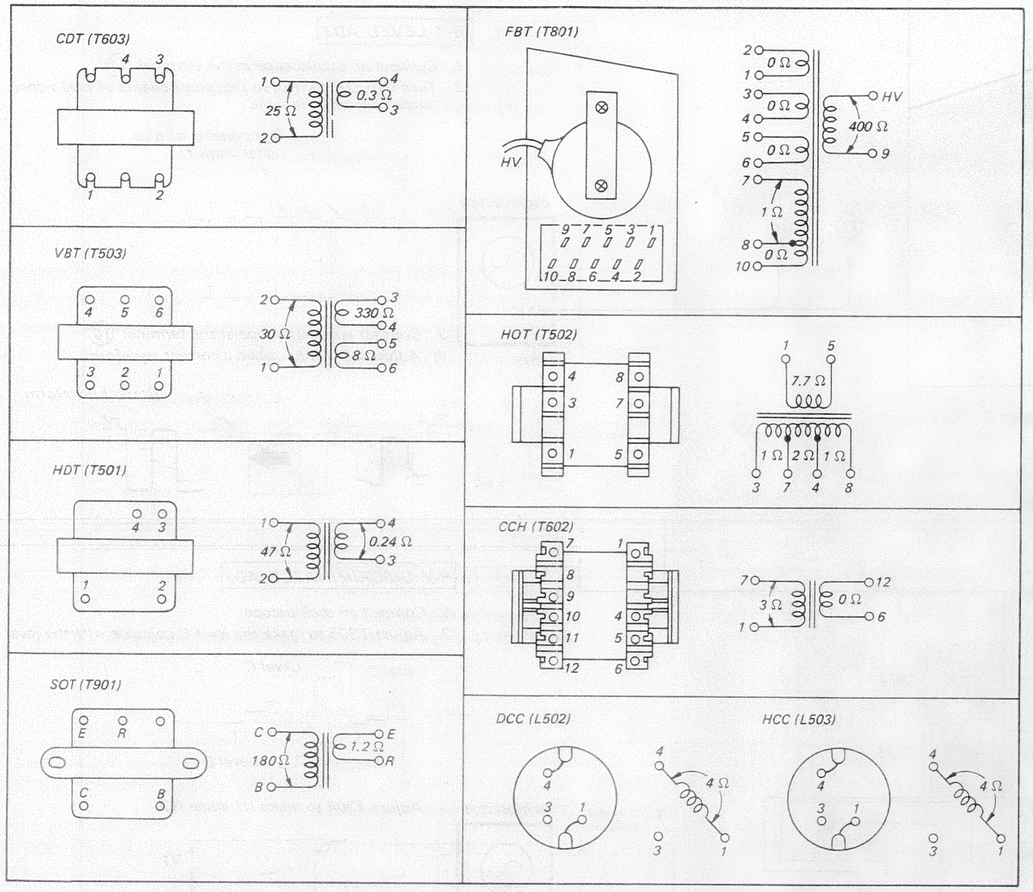
1. *Connect an oscilloscope.*
2. *Adjust L153 and L154 to minimize these components shown below.*



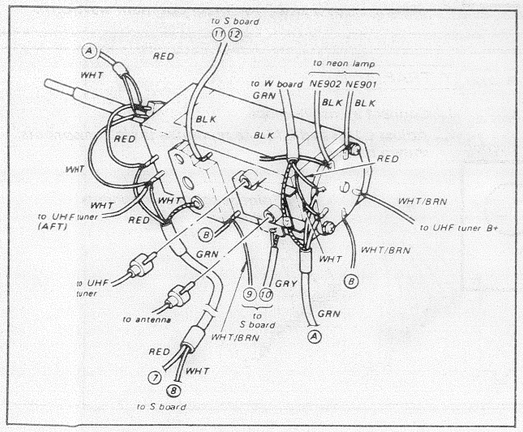


SECTION 5
DIAGRAMS

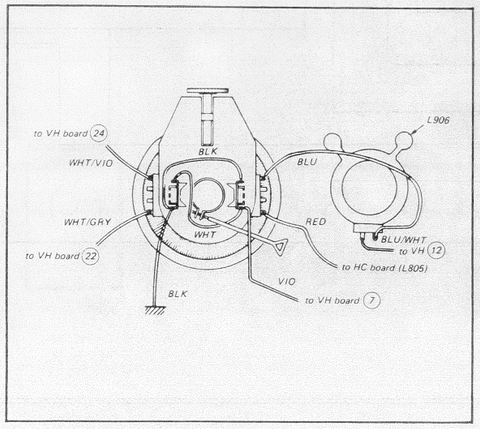
5-1. DC RESISTANCE AND WINDING DIAGRAMS OF COILS AND TRANSFORMERS



5-2. WIRING DIAGRAMS OF VHF TUNER AND DEFLECTION YOKE



VHF tuner

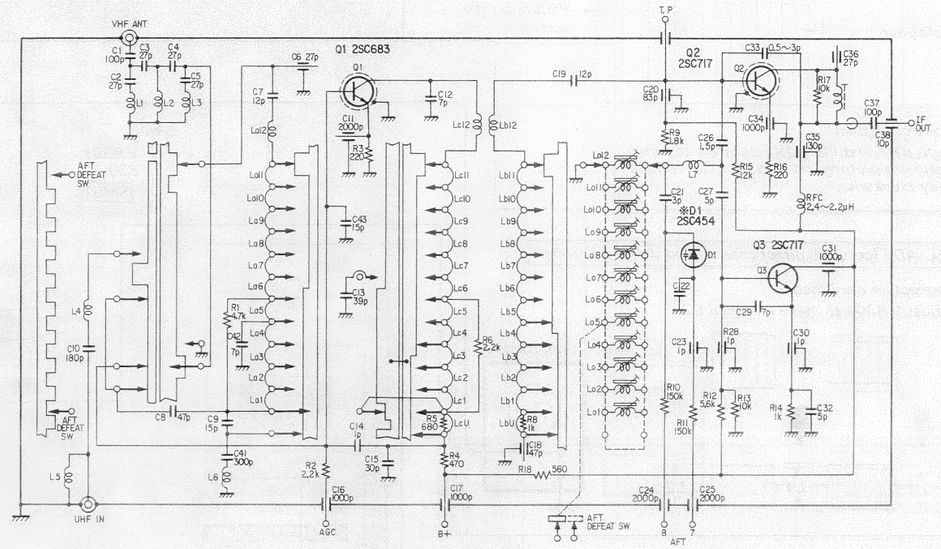


DY

5-3. SCHEMATIC DIAGRAMS – VHF and UHF tuners –

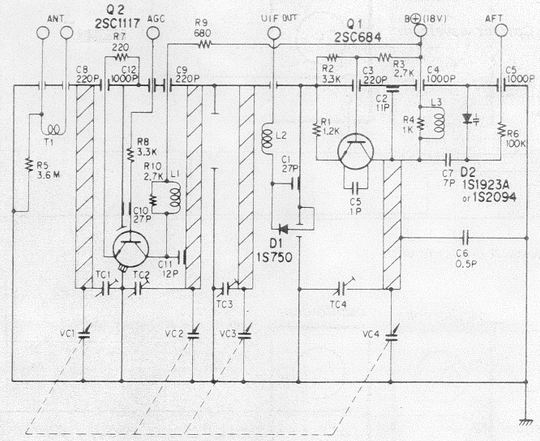
– VHF tuner –
BT-625R

Note: 1. Tuner reference numbers are not included in the Electrical Parts List (Page 43 ~ 51).
2. All resistors are 1/4 W unless otherwise noted.



※ Transistor 2SC454 (base-collector junction) is used for D1.

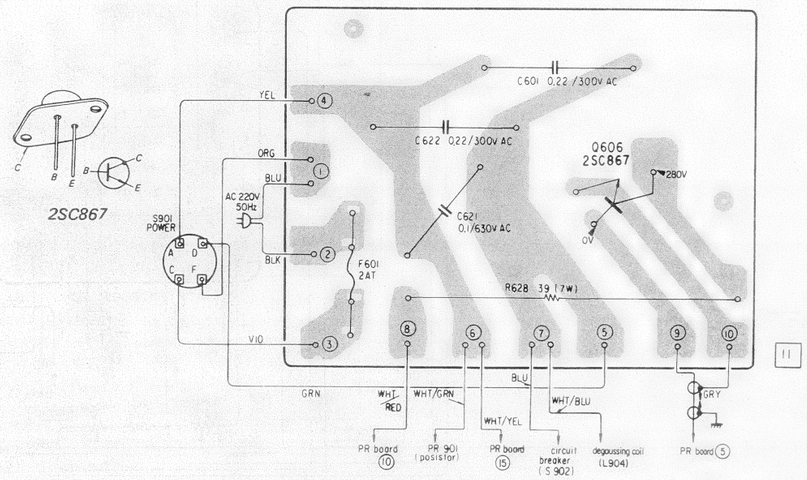
– UHF tuner –
BT-123



5-4. MOUNTING DIAGRAMS – PP and HC Boards –

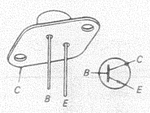
– Conductor Side –

– PP Board –

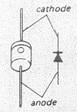


2SC867

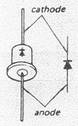
– HC Board –



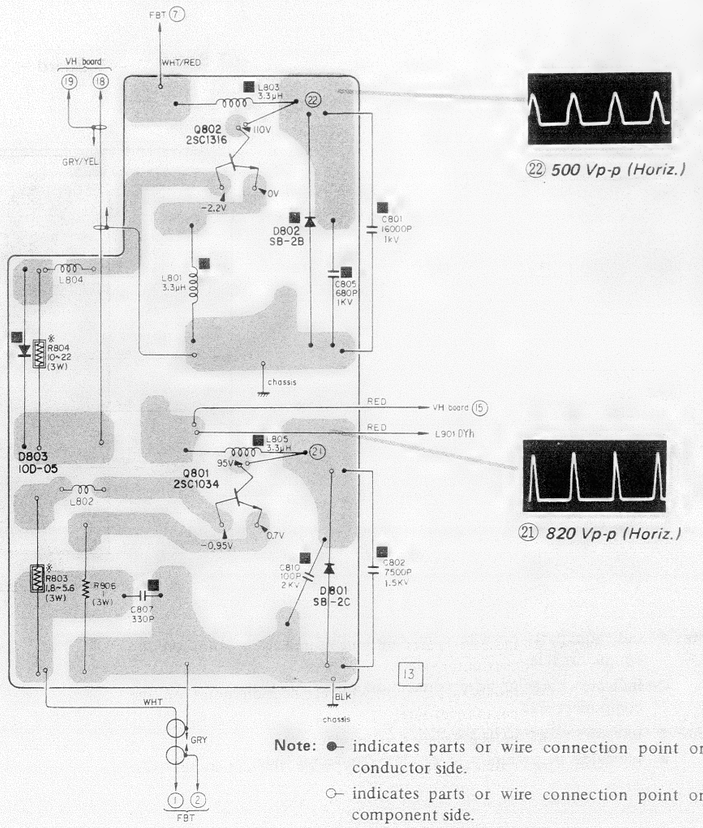
2SC1316
2SC1034



10D-05



SB-2C,
SB-2B



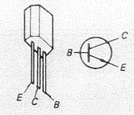
22 500 Vp-p (Horiz.)

21 820 Vp-p (Horiz.)

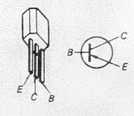
Note: ●– indicates parts or wire connection point on the conductor side.
○– indicates parts or wire connection point on the component side.
※ indicates values to be selected.
■ indicates parts mounted on the conductor side.

5-5. MOUNTING DIAGRAM – PR Board –

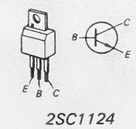
– Conductor Side –



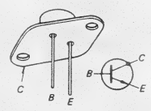
2SC633A
2SC926A



2SA677



2SC1124



2SC867

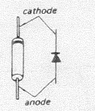
5 280 Vp-p (Horiz.)

3 150 Vp-p (Horiz.)

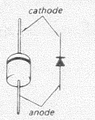
4 9.0 Vp-p (Horiz.)

2 1.4 Vp-p (Horiz.)

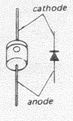
Q	D	ADJ
Q605	D613	VR602
	D607	
Q903	D605, D606	
Q602	D604, D603	
Q603	D602	
Q601	D610	
Q604	D608	
	D609	
	D601	
		VR601



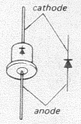
1T22A



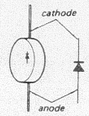
SK-1W50



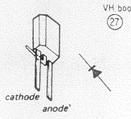
10D-4
10D-2



SB-2B,
S-15



UF. SD-1A



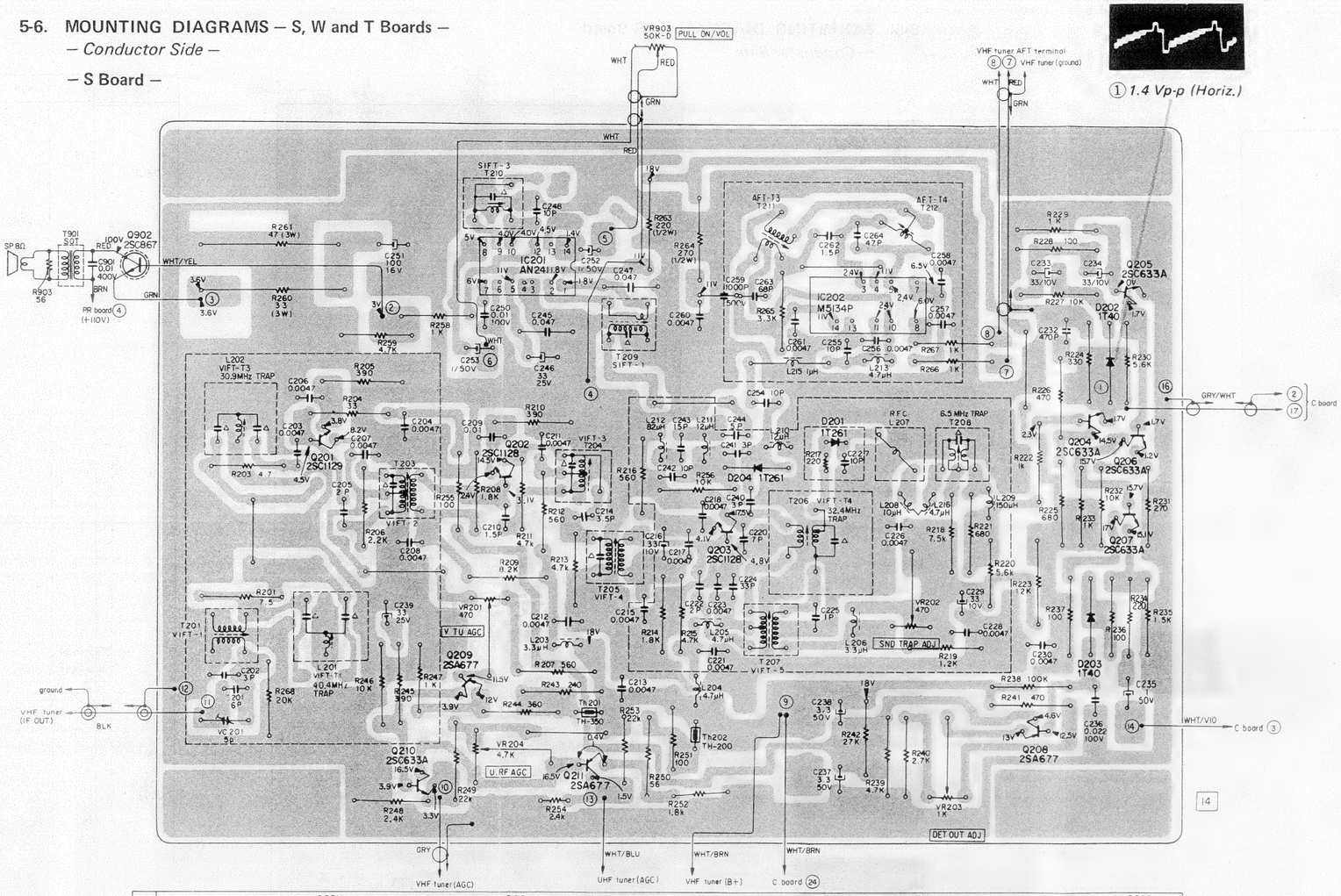
MZ12

Note: ●– indicates parts or wire connection point on the conductor side.
○– indicates parts or wire connection point on the component side.
■ indicates parts mounted on the conductor side.

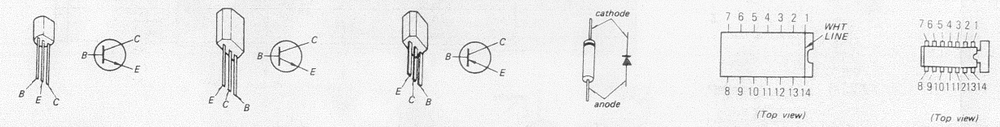
5-6. MOUNTING DIAGRAMS – S, W and T Boards –

– Conductor Side –

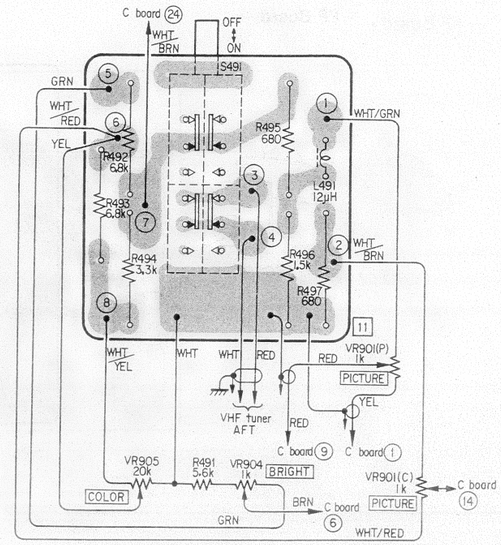
– S Board –



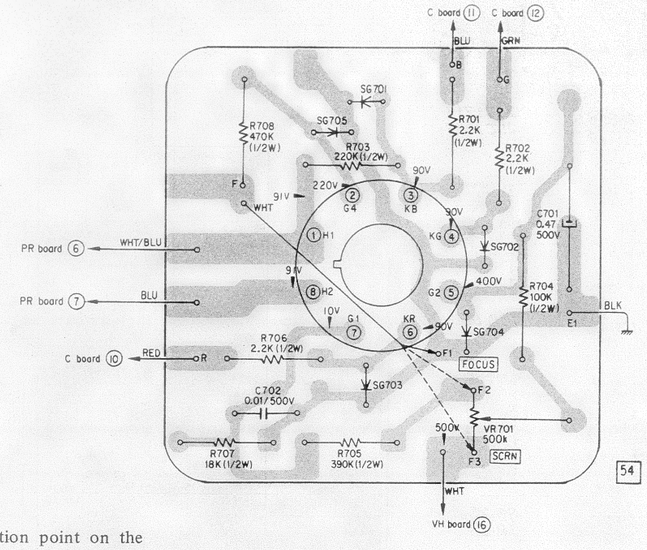
Q & IC	Q201	IC201 Q202	Q210	Q209	Q211	Q203	IC202	Q208	Q204	Q205 Q206 Q207
D						D204	D201		D203	
ADJ		VR201 VR204					VR202 VR203			



– W Board –



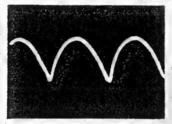
– T Board –

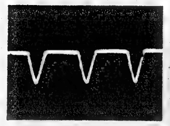


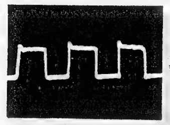
Note: ● indicates parts or wire connection point on the conductor side.
○ indicates parts or wire connection point on the component side.
※ indicates values to be selected.
■ indicates parts mounted on the conductor side.

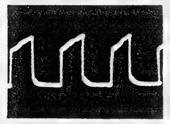
5-7. MOUNTING DIAGRAM – VH Board –

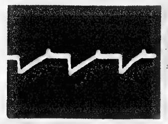
– Conductor Side –

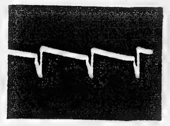

⑲ *30 V p-p (Vert.)*

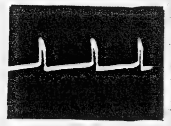

⑳ *100 V p-p (Horiz.)*

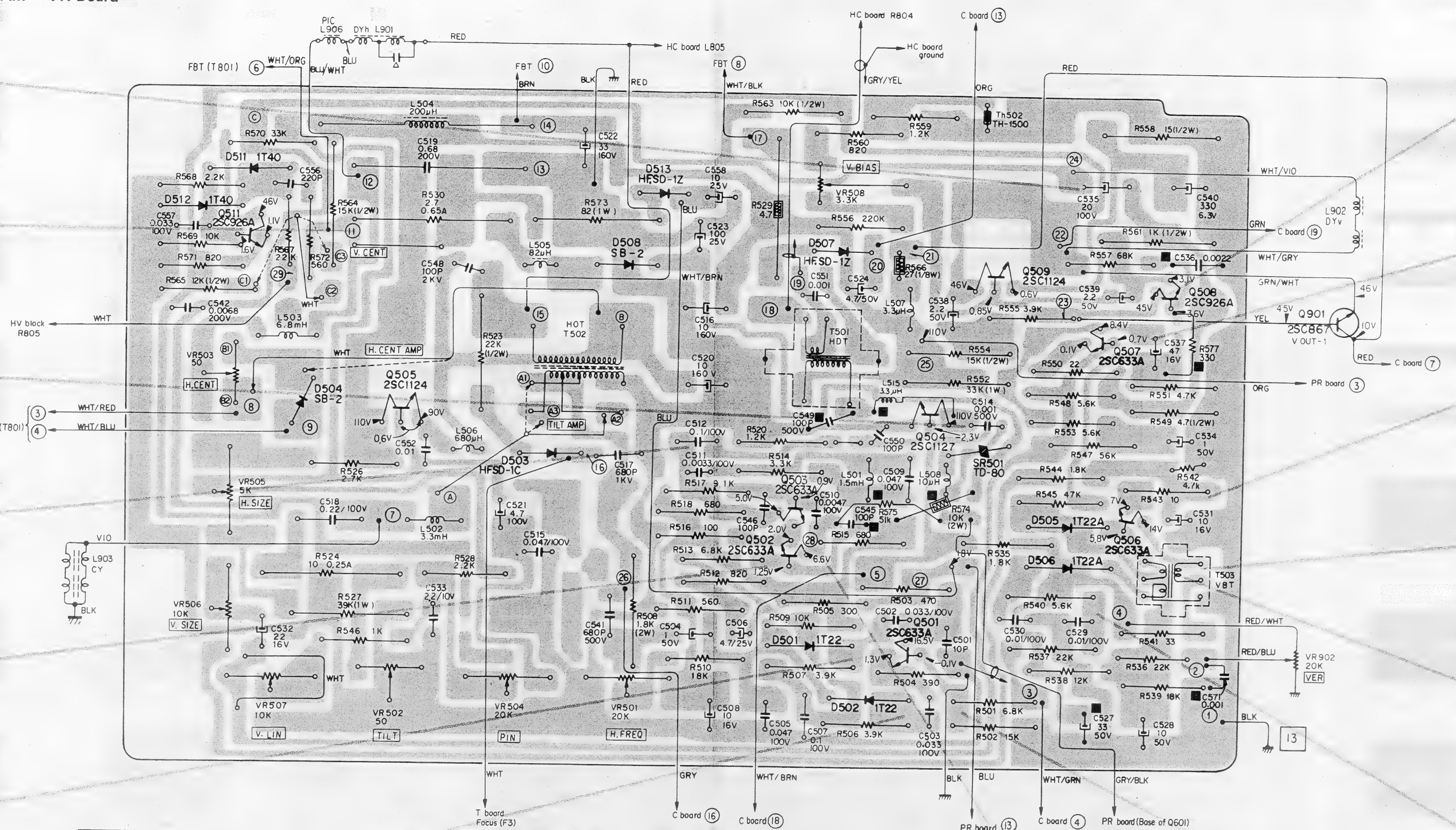

⑫ *200 V p-p (Horiz.)*

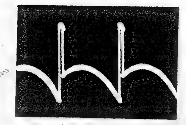

⑪ *6.4 V p-p (Horiz.)*

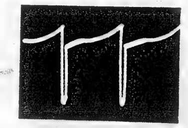

⑨ *6 V p-p (Horiz.)*

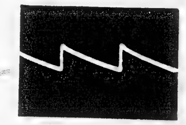

⑦ *10 V p-p (Horiz.)*

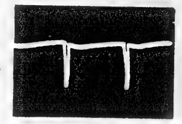

⑧ *11 V p-p (Horiz.)*

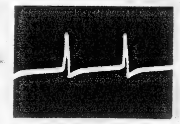


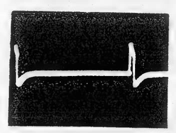

⑱ *110 V p-p (Vert.)*

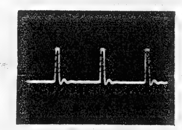

⑰ *11 V p-p (Vert.)*


⑯ *3.8 V p-p (Vert.)*


⑭ *6 V p-p (vert.)*

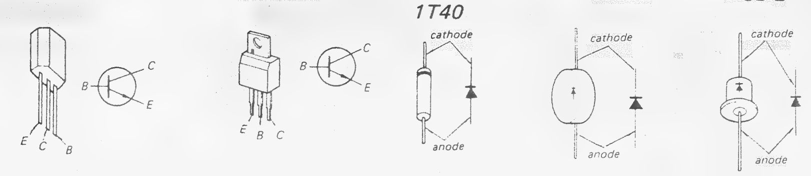

⑮ *6 V p-p (Vert.)*

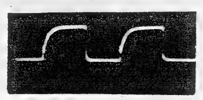

⑬ *6 V p-p (Vert.)*


⑥ *11 V p-p (Horiz.)*

Q	Q511, Q505, Q503, Q502, Q504, Q501, Q509, Q507, Q506, Q508
D	D512, D511, D504, D503, D508, D513, D507, D501, D502, D505, D506
ADJ	VR503, VR505, VR506, VR507, VR502, VR504, VR501, VR508

2SC633A 2SC926A *2SC1124 2SC1127* *1T22 1T22A 1T40* *HF. SD-1C HF. SD-1Z* *SB-2*




⑩ *10 Vp-p (Horiz.)*

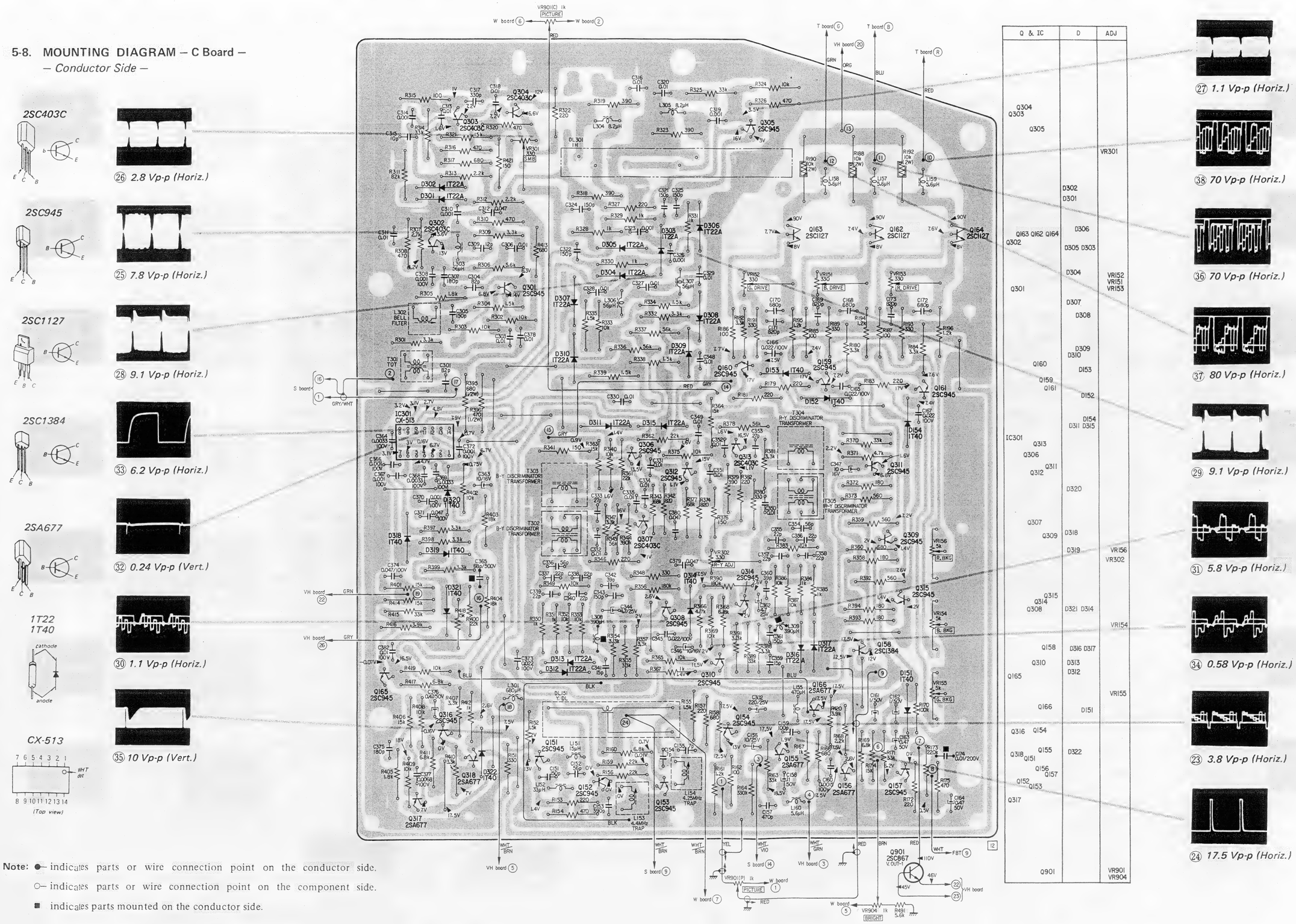
Note: ●– indicates parts or wire connection point on the conductor side.

○– indicates parts or wire connection point on the component side.

■ indicates parts mounted on the conductor side.

5-8. MOUNTING DIAGRAM — C Board —

— Conductor Side —



Q & IC	D	ADJ
Q304 Q303 Q305		VR301
Q163 Q162 Q164 Q302	D302 D301 D306 D305 D303	
Q301	D304 D307 D308	VR152 VR151 VR153
Q160 Q159 Q161	D309 D310 D153 D152	
IC301 Q313 Q306 Q311 Q312	D154 D311 D315 D320	
Q307 Q309	D318 D319	VR156 VR302
Q314 Q308 Q315	D321 D314	VR154
Q158 Q310 Q165	D316 D317 D313 D312	
Q166	D151	VR155
Q316 Q154 Q318 Q151 Q155 Q156 Q157 Q152 Q153 Q317	D322	
Q901		VR901 VR904

2SC403C

㉖ *2.8 Vp-p (Horiz.)*

2SC945

㉕ *7.8 Vp-p (Horiz.)*

2SC1127

㉘ *9.1 Vp-p (Horiz.)*

2SC1384

㉝ *6.2 Vp-p (Horiz.)*

2SA677

㉜ *0.24 Vp-p (Vert.)*

1T22
1T40

㉚ *1.1 Vp-p (Horiz.)*

CX-513

㉟ *10 Vp-p (Vert.)*

㉗ *1.1 Vp-p (Horiz.)*

㊳ *70 Vp-p (Horiz.)*

㊱ *70 Vp-p (Horiz.)*

㊲ *80 Vp-p (Horiz.)*

㉙ *9.1 Vp-p (Horiz.)*

㉛ *5.8 Vp-p (Horiz.)*

㉞ *0.58 Vp-p (Horiz.)*

㉓ *3.8 Vp-p (Horiz.)*

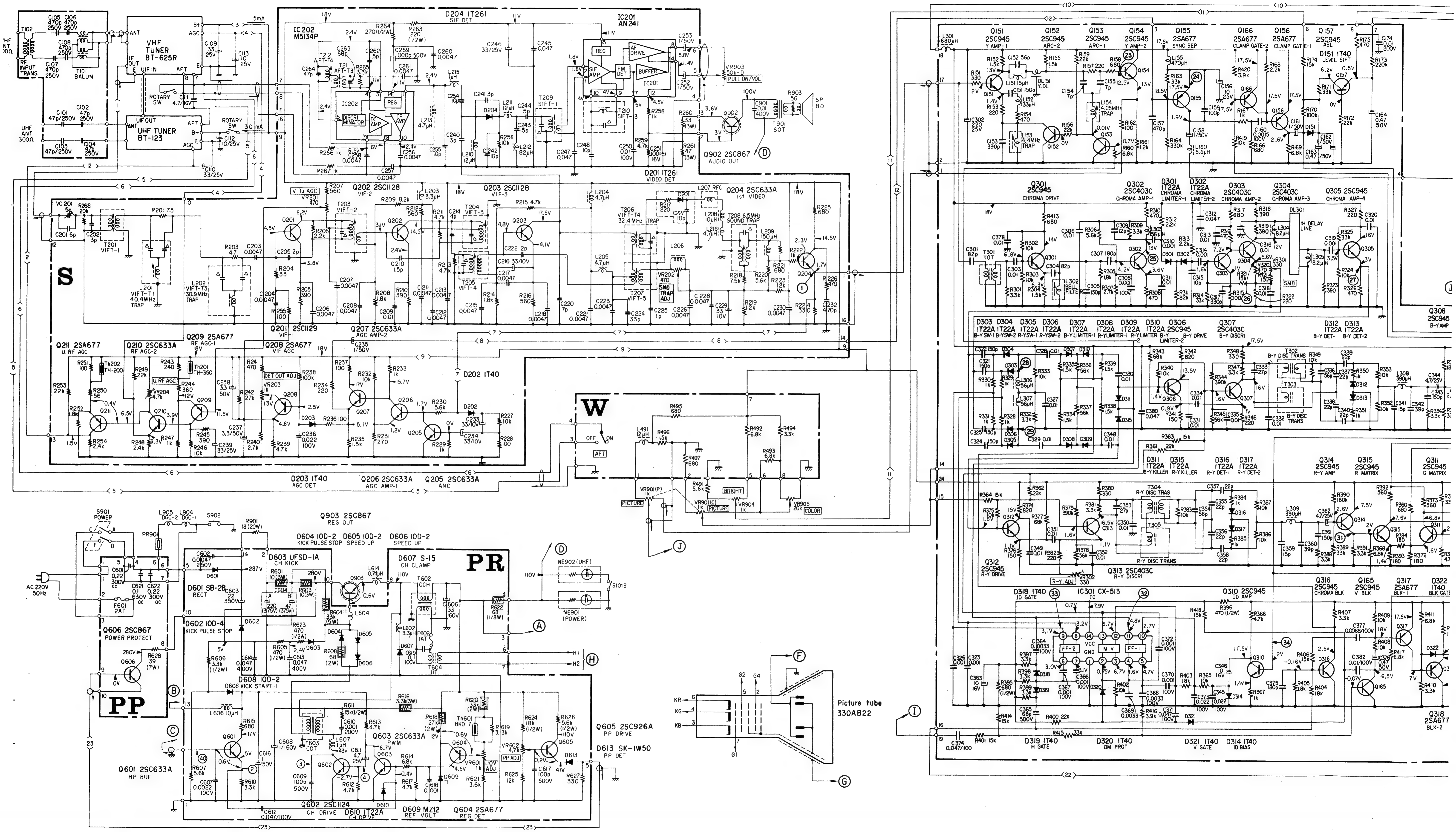
㉔ *17.5 Vp-p (Horiz.)*

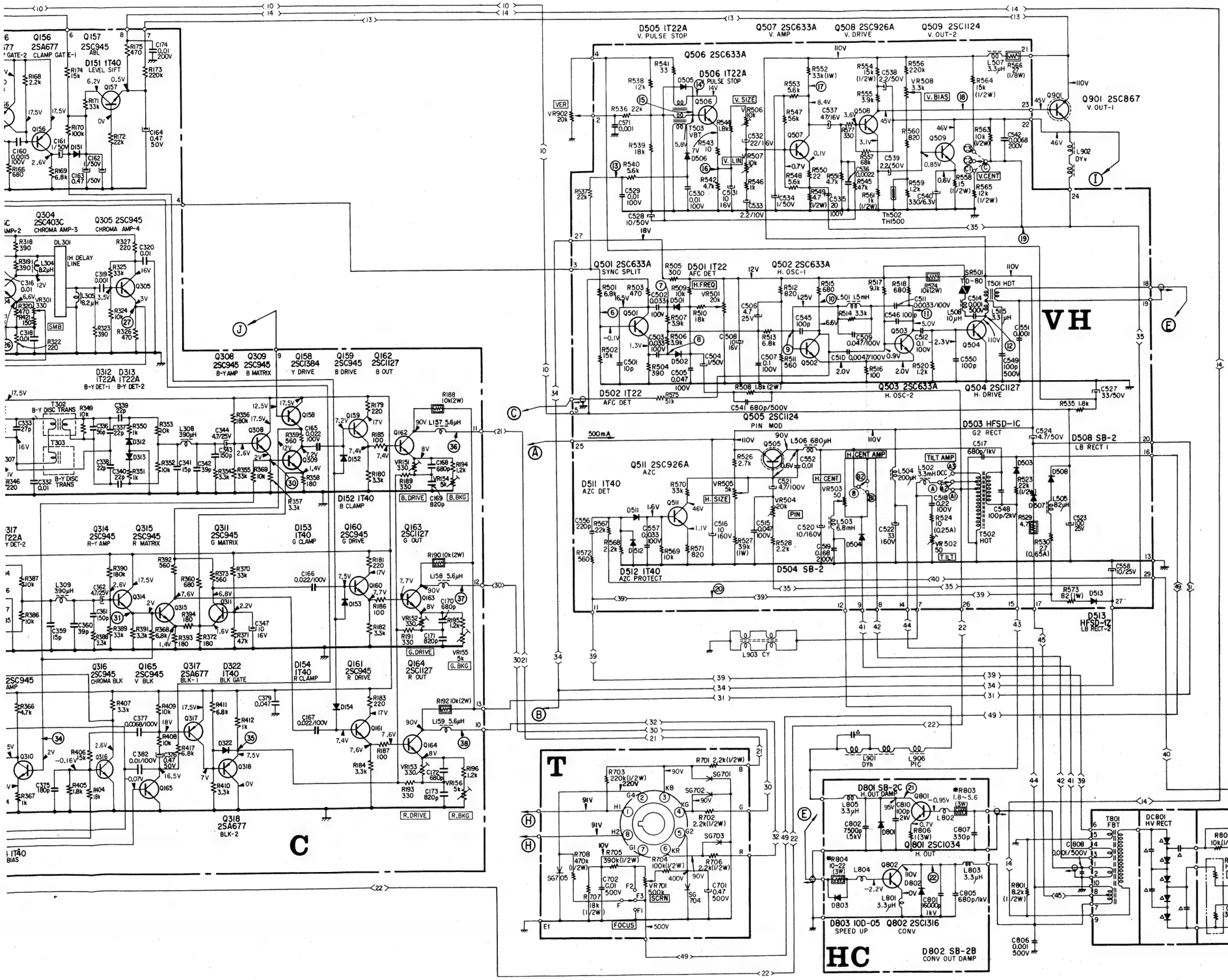
Note: ●— indicates parts or wire connection point on the conductor side.

○— indicates parts or wire connection point on the component side.

■ indicates parts mounted on the conductor side.

-9. SCHEMATIC DIAGRAM





Note.

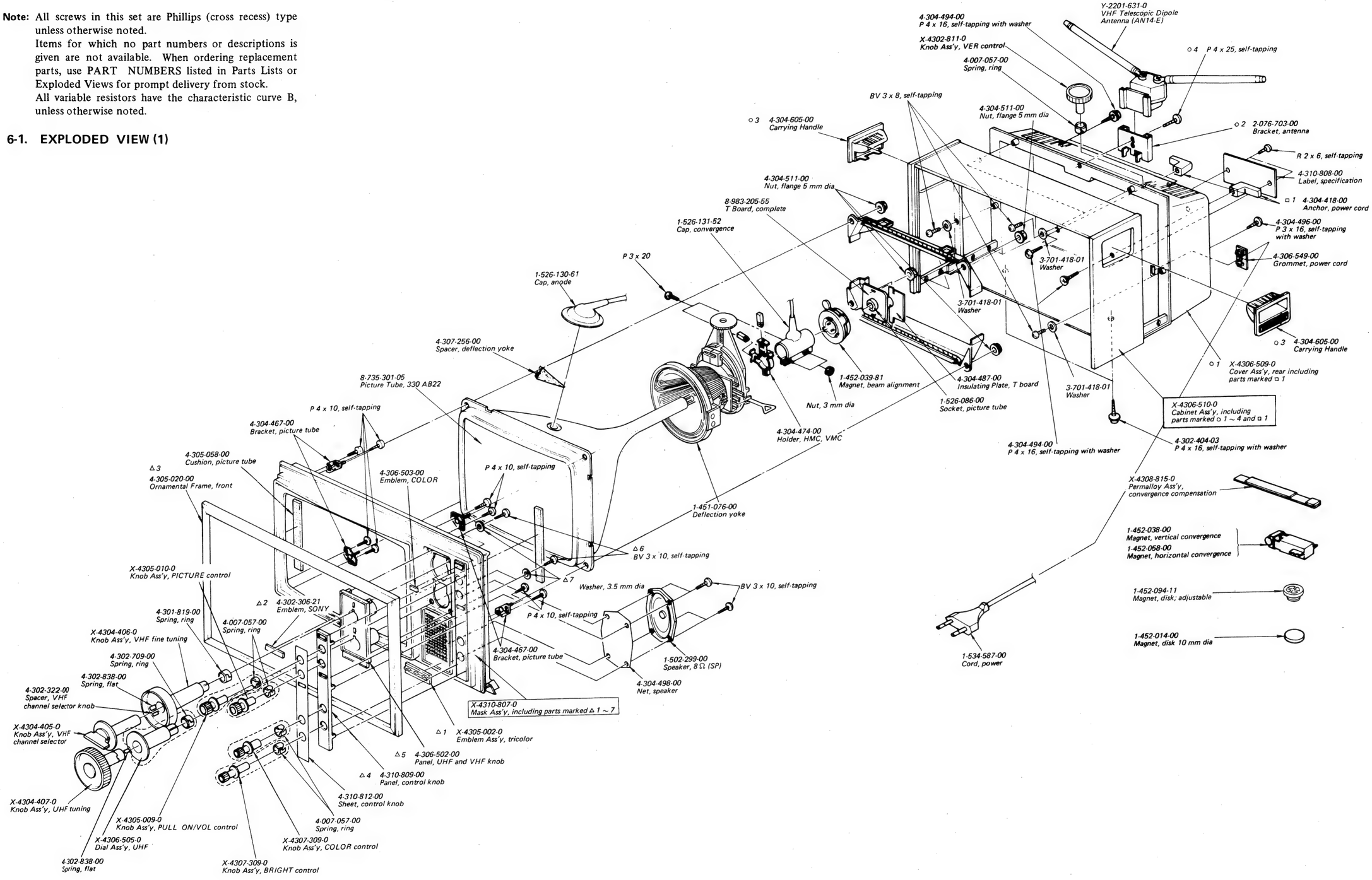
1. All capacitors are in μF, 50 V unless otherwise noted. p = μμF
2. All resistors are in ohms, ¼ W unless otherwise noted. k = 1,000, M = 1,000 k
3. Resistance values marekd ※ are to be selected to yield specified operating conditions.
4. △ indicates internal components.
5. Voltages are dc with respect to ground unless otherwise noted. Readings are measured by applying a color-bar signal with a 20,000 ohm-per-volt VOM. Voltages variations may be noted due to normal production tolerances.
6. The circled numbers ((1) ~ (40)) refer to waveforms shown on mounting diagrams.
7. VR901 and S901 are coupled.

SECTION 6

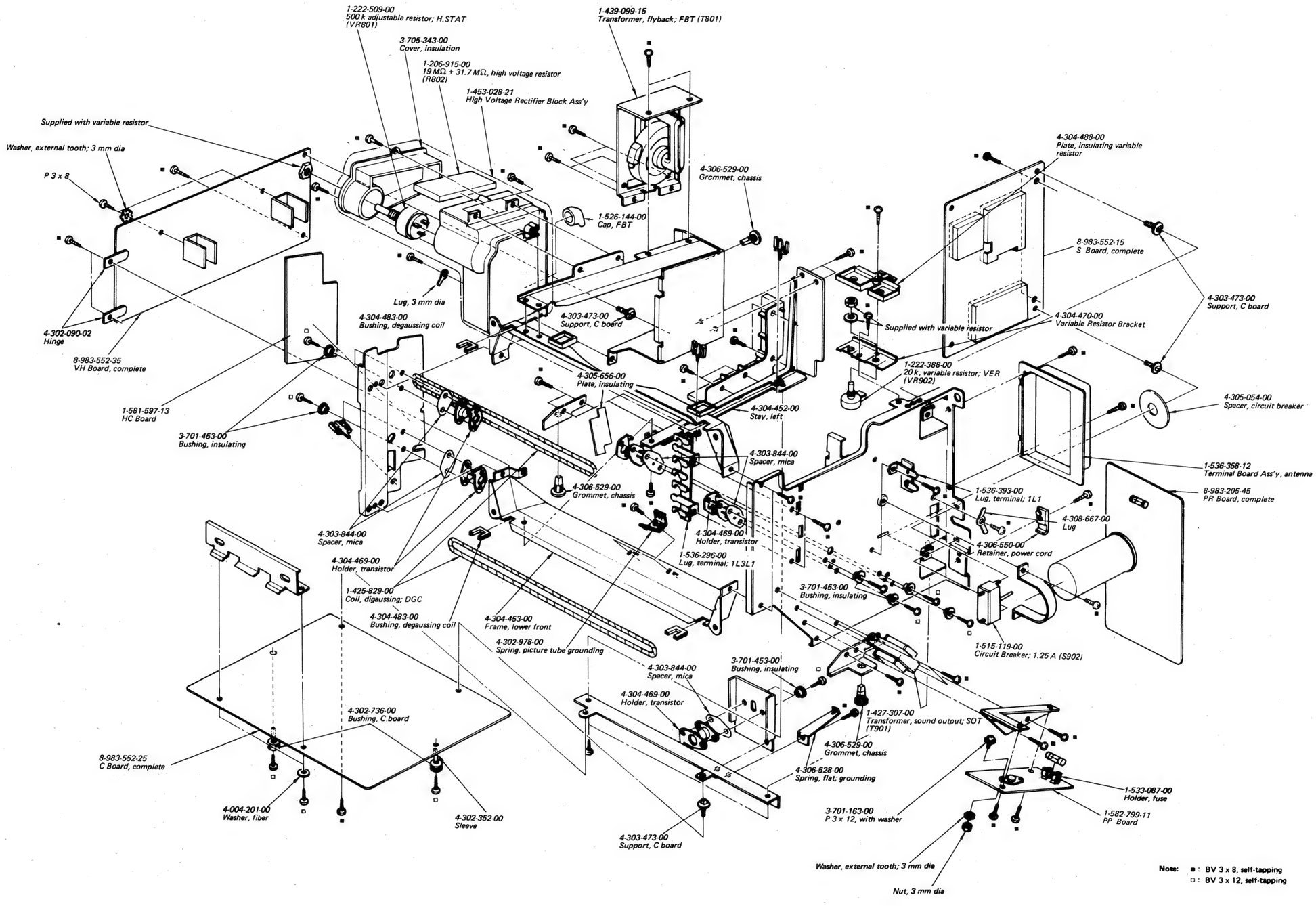
EXPLODED VIEWS

Note: All screws in this set are Phillips (cross recess) type unless otherwise noted.
Items for which no part numbers or descriptions is given are not available. When ordering replacement parts, use PART NUMBERS listed in Parts Lists or Exploded Views for prompt delivery from stock.
All variable resistors have the characteristic curve B, unless otherwise noted.

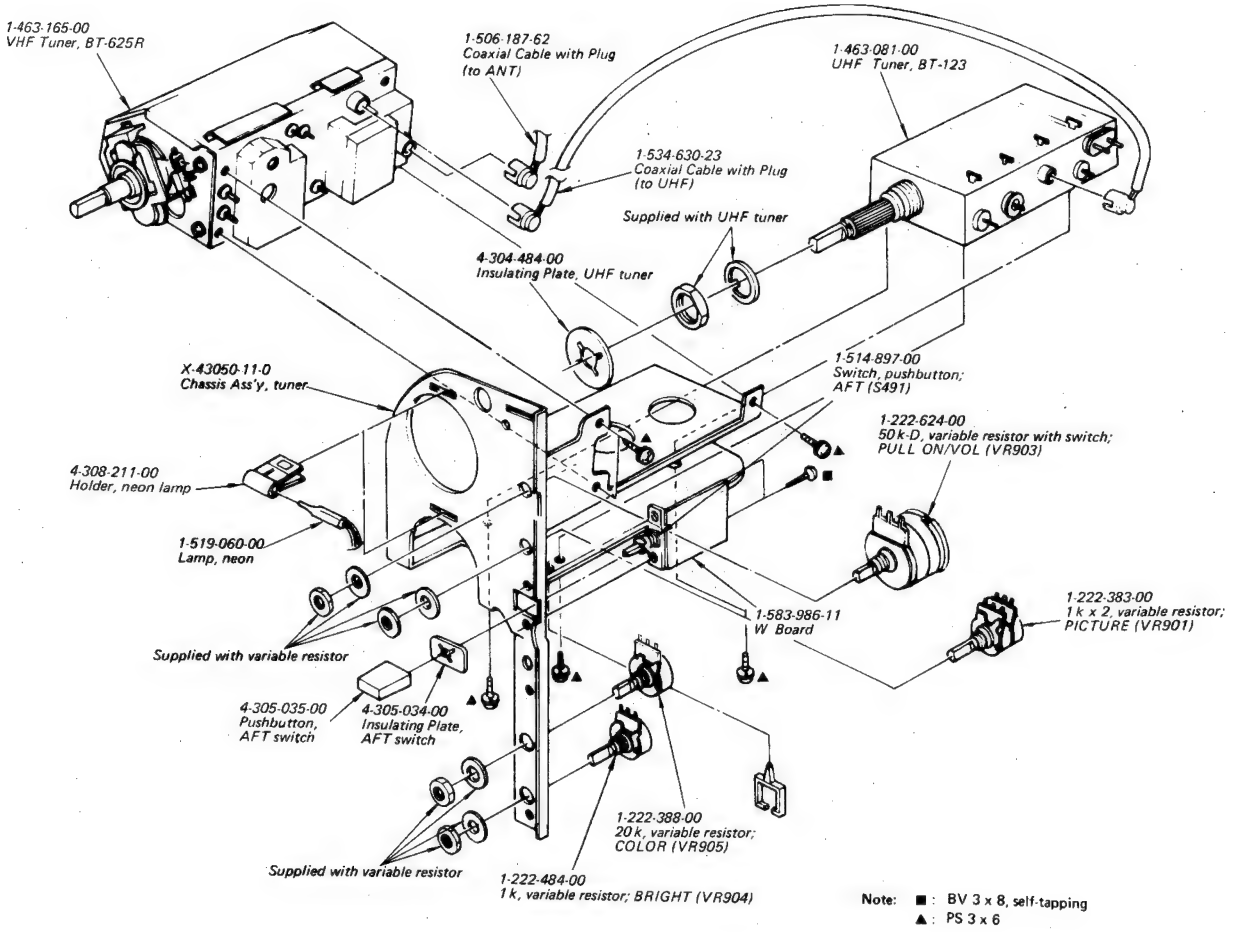
6-1. EXPLODED VIEW (1)



6-2. EXPLODED VIEW (2)



6-3. EXPLODED VIEW (3)



SECTION 7

REPACKING

The KV-1310R's original shipping carton and packing materials are the ideal container for shipping the unit. However to secure the maximum protection, the KV-1310R must be repacked in these materials precisely as before. The proper repacking procedures are shown in Fig. 7-1.

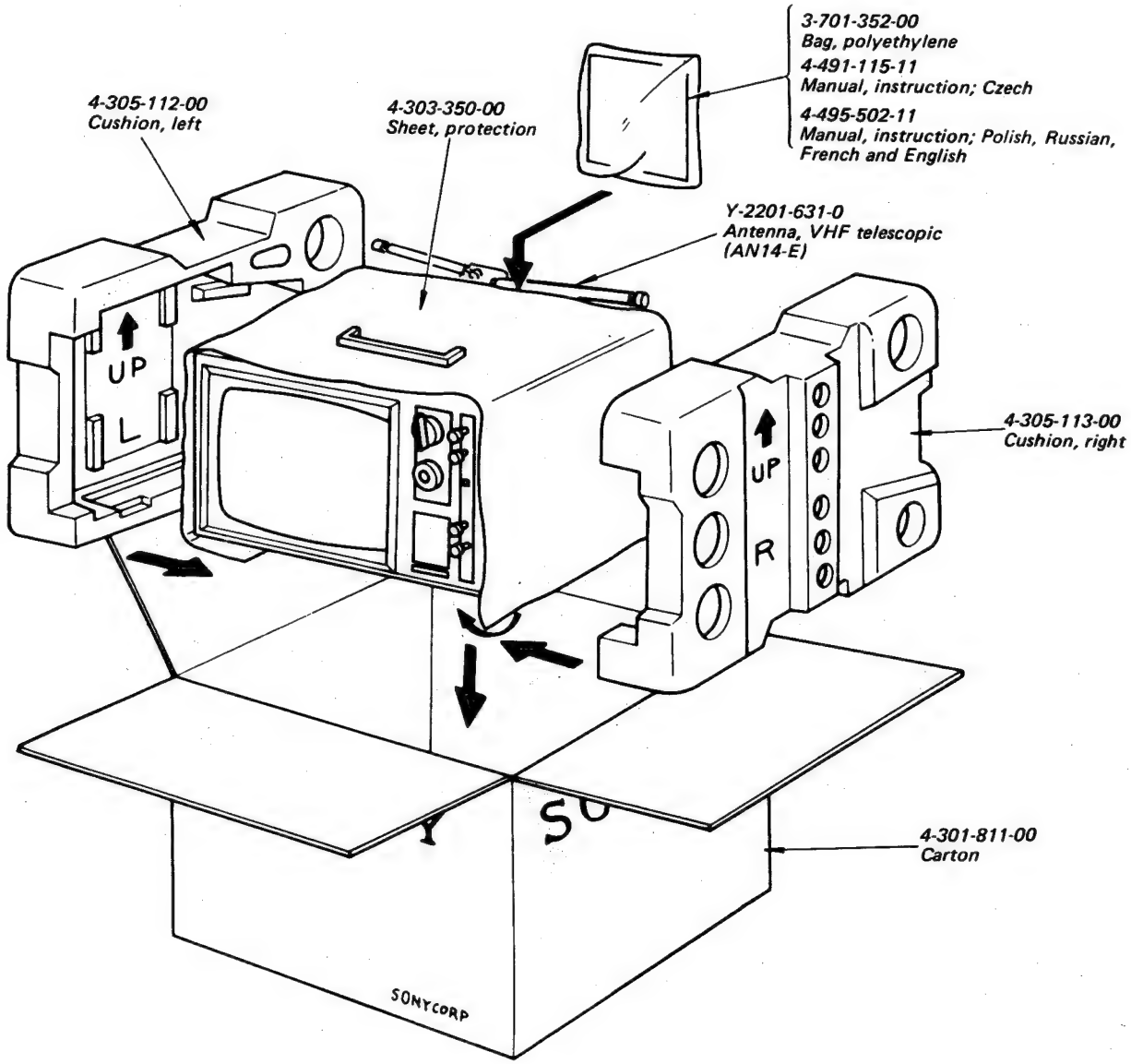


Fig. 7-1. Repacking

SECTION 8
ELECTRICAL PARTS LIST

Ref. No.	*Part No.*	*Description*
		TUNERS
	1-463-165-00	VHF Tuner, BT-625R
	1-463-081-00	UHF Tuner, BT-123
		CIRCUIT BOARDS
	1-581-597-13	HC Board
	1-582-799-11	PP Board
	1-583-986-11	W Board
	8-983-552-15	S Board, complete
	8-983-552-35	VH Board, complete
	8-983-205-45	PR Board, complete
	8-983-205-55	T Board, complete
	8-983-552-25	C Board, complete
		SEMICONDUCTORS
		Transistors
Q151		2SC945
Q152		2SC945
Q153		2SC945
Q154		2SC945
Q155		2SA677
Q156		2SA677
Q157		2SC945
Q158		2SC1384
Q159		2SC945
Q160		2SC945
Q161		2SC945
Q162		2SC1127
Q163		2SC1127
Q164		2SC1127
Q165		2SC945
Q166		2SA677
Q201		2SC1129
Q202		2SC1128
Q203		2SC1128
Q204		2SC633A
Q205		2SC633A
Q206		2SC633A
Q207		2SC633A
Q208		2SA677
Q209		2SA677
Q210		2SC633A
Q211		2SA677
Q301		2SC945
Q302		2SC403C
Q303		2SC403C
Q304		2SC403C
Q305		2SC945
Q306		2SC945
Q307		2SC403C
Q308		2SC945
Q309		2SC945
Q310		2SC945
Q311		2SC945
Q312		2SC945
Q313		2SC403C
Q314		2SC945
Q315		2SC945
Q316		2SC945
Q317		2SA677
Q318		2SA677
Q501		2SC633A
Q502		2SC633A
Q503		2SC633A
Q504		2SC1127
Q505		2SC1124
Q506		2SC633A
Q507		2SC633A
Q508		2SC926A
Q509		2SC1124
Q511		2SC926A
Q601		2SC633A
Q602		2SC1124
Q603		2SC633A
Q604		2SA677

Ref. No.	Part No.	Description
Q605		2SC926A
Q606		2SC867
Q801		2SC1034
Q802		2SC1316
Q901		2SC867
Q902		2SC867
Q903		2SC867

Diodes

D151		1T40
D152		1T40
D153		1T40
D154		1T40
D201		1T261
D202		1T40
D203		1T40
D204		1T261
D301		1T22A
D302		1T22A
D303		1T22A
D304		1T22A
D305		1T22A
D306		1T22A
D307		1T22A
D308		1T22A
D309		1T22A
D310		1T22A
D311		1T22A
D312		1T22A
D313		1T22A
D314		1T40
D315		1T22A
D316		1T22A
D317		1T22A
D318		1T40
D319		1T40
D320		1T40
D321		1T40
D322		1T40
D501		1T22
D502		1T22
D503		HF.SD-1C
D504		SB-2
D505		1T22
D506		1T22A
D507		HF.SD-1Z
D508		SB-2
D511		1T40
D512		1T40
D513		HF.SD-1Z
D601		SB-2B
D602		10D-4
D603		UF.SD-1A
D604		10D-2
D605		10D-2
D606		10D-2
D607		S-15
D608		10D-2
D609		MZ12
D610		1T22A
D613		SK-1W50
D801		SB-2C
D802		SB-2B
D803		10D-05

ICs

IC201		AN241
IC202		M5134P
IC301		CX-513

Miscellaneous

PR901	1-800-275-00	Posistor	
SR501	1-800-032-00	Varistor	TD-80
Th201	1-800-071-00	Thermistor	TH-350
Th202	1-800-059-00	Thermistor	TH-200
Th502	1-800-069-00	Thermistor	TH-1500
Th601	1-800-081-00	Thermistor	8KD-7

COILS

All coils are microinductor unless otherwise noted.

L151	1-407-159-00	15 μH

Ref. No.	Part No.	Description
L152	1-407-699-00	33 μH
L153	1-409-287-00	Trap, 4.4 MHz
L154	1-409-193-00	Trap, 4.25 MHz
L155	1-407-177-00	470 μH
L157	1-407-187-00	5.6 μH
L158	1-407-187-00	5.6 μH
L159	1-407-187-00	5.6 μH
L160	1-407-187-00	5.6 μH
L201	1-409-214-00	Video i-f, VIFT-T1;40.4 MHz TRAP
L202	1-409-215-00	Video i-f, VIFT-T3;30.9 MHz TRAP
L203	1-407-184-00	3.3 μH
L204	1-407-186-00	4.7 μH
L205	1-407-186-00	4.7 μH
L206	1-407-184-00	3.3 μH
L207	1-425-504-00	Radio Frequency Choke, RFC
L208	1-407-190-00	10 μH
L209	1-407-171-00	150 μH
L210	1-407-158-00	12 μH
L211	1-407-158-00	12 μH
L212	1-407-168-00	82 μH
L213	1-407-186-00	4.7 μH
L215	1-407-178-00	1 μH
L216	1-407-186-00	4.7 μH
L301	1-407-557-00	680 μH
L302	1-409-287-00	BELL FILTER
L303	1-407-166-00	56 μH
L304	1-407-189-00	8.2 μH
L305	1-407-189-00	8.2 μH
L306	1-407-166-00	56 μH
L307	1-407-166-00	56 μH
L308	1-407-176-00	390 μH
L309	1-407-176-00	390 μH
L491	1-407-158-00	12 μH
L501	1-407-646-00	1.5 mH
L502	1-459-075-00	3.3 mH, dynamic convergence;DCC
L503	1-459-074-00	6.8 mH, horizontal centering;HCC
L504	1-407-346-00	200 μH, spook choke
L505	1-407-553-00	82 μH, line choke
L506	1-407-193-00	680 μH
L507	1-407-364-00	3.3 μH, spook choke
L508	1-407-190-00	10 μH
L515	1-407-364-00	3.3 μH, spook choke
L602	1-407-364-00	3.3 μH, spook choke
L604	1-407-364-00	spook choke
L606	1-407-190-00	10 μH
L607	1-407-178-00	1 μH
L614	1-407-365-00	0.74 μH
L801	1-407-364-00	3.3 μH, spook choke
L802	1-407-364-00	spook choke
L803	1-407-364-00	3.3 μH, spook choke
L804	1-407-364-00	spook choke
L805	1-407-364-00	3.3 μH, spook choke
L901, L902, L903	1-451-096-00	Deflection Yoke
L904	1-425-829-00	Degaussing, DGC-1
L905	1-425-829-00	Degaussing, DGC-2
L906	1-452-039-81	Purity Improving, PIC
DL151	1-415-088-00	Y Delay Line, Y DL
DL301	1-415-089-00	Delay Line, DL 1H

TRANSFORMERS

T101	1-417-033-00	Balun (included in antenna terminal board ass'y)
T102	1-417-040-00	RF Input (included in antenna terminal board ass'y)
T201	1-403-728-00	Video i-f, VIFT-1
T203	1-403-729-00	Video i-f, VIFT-2
T204	1-403-841-00	Video i-f, VIFT-3
T205	1-403-729-00	Video i-f, VIFT-4
T206	1-409-289-00	Video i-f, VIFT-T4;32.4 MHz TRAP
T207	1-403-730-00	Video i-f, VIFT-T5
T208	1-409-208-00	Trap;6.5 MHz
T209	1-403-864-00	Sound i-f, SIFT-1
T210	1-403-843-00	Sound i-f SIFT-3

Ref. No.	*Part No.*	*Description*
T211	1-403-810-00	Automatic Fine Tuning, AFT-T3
T212	1-403-811-00	Automatic Fine Tuning, AFT-T4
T301	1-405-372-00	Take-off, TOT
T302	1-403-987-00	Band Pass, BPT-1
T303	1-403-986-00	Burst Amplifier, BAT
T304	1-403-986-00	CW Oscillator, COT
T305	1-403-986-00	Band Pass, BPT-2
T501	1-437-030-00	Horizontal Drive, HDT
T502	1-439-097-32	Horizontal Output, HOT
T503	1-435-008-21	Vertical Blocking Oscillator, VBT
T602	1-437-032-00	Chopper Choke, CCH
T603	1-437-033-00	Chopper Drive, CDT
T604	1-441-855-00	Heater, HT
T801	1-439-099-15	Flyback, FBT
T901	1-427-307-00	Sound Output, SOT

CAPACITORS

All capacitors are in μF, 50 V and of ceramic unless otherwise noted. p = μμF, elect = electrolytic.

C101	1-102-238-11	47 p	250 Vac	included in antenna terminal board ass'y
C102	1-102-238-11	47 p	250 Vac	
C103	1-102-238-11	47 p	250 Vac	
C104	1-102-238-11	47 p	250 Vac	
C105	1-102-239-11	470 p	250 Vac	included in antenna terminal board ass'y
C106	1-102-239-11	470 p	250 Vac	
C107	1-102-239-11	470 p	250 Vac	
C108	1-102-239-11	470 p	250 Vac	
C109	1-121-404-11	33	25 V	elect
C110	1-121-404-11	33	25 V	elect
C111	1-121-257-11	47	16 V	elect (bipolar)
C112	1-121-398-11	10	25 V	elect
C113	1-121-398-11	10	25 V	elect
C151	1-101-361-11	150 p		
C152	1-101-884-11	56 p		
C153	1-102-822-11	390 p		

Ref. No.	*Part No.*	*Description*		
C154	1-102-809-11	7 p		
C155	1-102-809-11	7 p		
C156	1-121-398-11	10	25 V	elect
C157	1-102-824-11	470 p		
C158	1-121-391-11	1	50 V	elect
C159	1-102-973-11	100 p		
C160	1-108-616-11	0.0015	100 V	mylar
C161	1-121-391-11	1	50 V	elect
C163	1-121-726-11	0.47	50 V	elect
C164	1-121-726-11	0.47	50 V	elect
C165	1-108-630-11	0.022	100 V	mylar
C166	1-108-630-11	0.022	100 V	mylar
C167	1-108-630-11	0.022	100 V	mylar
C168	1-102-116-11	680 p		
C169	1-102-117-11	820 p		
C170	1-102-116-11	680 p		
C171	1-102-117-11	820 p		
C172	1-102-116-11	680 p		
C173	1-102-117-11	820 p		
C174	1-108-692-11	0.01	200 V	mylar
C201	1-102-857-11	6 p		
C202	1-102-862-11	3 p		
C203	1-101-003-11	0.0047		
C204	1-101-003-11	0.0047		
C205	1-102-935-11	2 p		
C206	1-101-003-11	0.0047		
C207	1-101-003-11	0.0047		
C208	1-101-003-11	0.0047		
C209	1-101-004-11	0.01		
C210	1-101-576-11	1.5 p		
C211	1-101-003-11	0.0047		
C212	1-101-003-11	0.0047		
C213	1-101-003-11	0.0047		
C214	1-101-552-11	3.5 p		
C215	1-101-003-11	0.0047		
C216	1-121-402-11	33	10 V	elect
C217	1-101-003-11	0.0047		

Ref. No.	Part No.	Description		
C218	1-101-003-11	0.0047		
C220	1-102-662-11	7 p		
C221	1-102-003-11	0.0047		
C222	1-102-935-11	2 p		
C223	1-101-003-11	0.0047		
C224	1-102-963-11	33 p		
C225	1-102-934-11	1 p		
C226	1-101-003-11	0.0047		
C227	1-102-947-11	10 p		
C228	1-101-003-11	0.0047		
C229	1-121-402-11	33	10 V	elect
C230	1-101-003-11	0.0047		
C232	1-102-098-11	470 p		
C233	1-121-402-11	33	10 V	elect
C234	1-121-402-11	33	10 V	elect
C235	1-121-391-11	1	50 V	elect
C236	1-108-630-11	0.022	100 V	mylar
C237	1-121-393-11	3.3	50 V	elect
C238	1-121-393-11	3.3	50 V	elect
C239	1-121-404-11	33	25 V	elect
C240	1-102-940-11	3 p		
C241	1-102-940-11	3 p		
C242	1-102-947-11	10 p		
C243	1-102-951-11	15 p		
C244	1-102-942-11	5 p		
C245	1-101-006-11	0.047		
C246	1-121-404-11	33	25 V	elect
C247	1-102-006-11	0.047		
C248	1-102-858-11	10 p		
C250	1-108-626-11	0.01	100 V	mylar
C251	1-121-415-11	100	16 V	elect
C252	1-121-391-11	1	50 V	elect
C253	1-121-391-11	1	50 V	elect
C254	1-102-947-11	10 p		
C255	1-102-947-11	10 p		
C256	1-101-003-11	0.0047		
C257	1-101-003-11	0.0047		
C258	1-101-003-11	0.0047		

Ref. No.	Part No.	Description		
C259	1-102-043-11	1000 p	500 V	feed through
C260	1-101-003-11	0.0047		
C261	1-101-003-11	0.0047		
C262	1-101-576-11	1.5 p		
C263	1-102-525-11	68 p		
C264	1-102-774-11	47 p		
C301	1-102-863-11	82 p		
C302	1-121-422-11	220	25 V	elect
C303	1-101-004-11	0.01		
C304	1-102-863-11	82 p		
C305	1-102-888-11	150 p		
C306	1-101-004-11	0.01		
C307	1-102-824-11	180 p		
C308	1-108-614-11	0.001	100 V	mylar
C309	1-102-949-11	12 p		
C310	1-102-074-11	0.001		
C311	1-101-004-11	0.01		
C312	1-101-006-11	0.047		
C313	1-101-004-11	0.01		
C314	1-102-074-11	0.001		
C315	1-102-947-11	10 p		
C316	1-101-004-11	0.01		
C317	1-102-820-11	330 p		
C318	1-101-004-11	0.01		
C319	1-102-074-11	0.001		
C320	1-101-004-11	0.01		
C321	1-101-361-11	150 p		
C322	1-101-361-11	150 p		
C323	1-102-074-11	0.01		
C324	1-101-361-11	150 p		
C325	1-101-361-11	150 p		
C326	1-102-074-11	0.001		
C327	1-101-004-11	0.01		
C328	1-101-004-11	0.01		
C329	1-101-004-11	0.01		
C330	1-101-004-11	0.01		
C331	1-101-004-11	0.01		
C332	1-101-004-11	0.01		

Ref. No.	Part No.	Description		
C333	1-102-883-11	27 p		
C334	1-101-004-11	0.01		
C335	1-101-004-11	0.01		
C336	1-102-850-11	56 p		
C337	1-102-892-11	22 p		
C338	1-102-892-11	22 p		
C339	1-102-959-11	22 p		
C340	1-102-959-11	22 p		
C341	1-102-951-11	15 p		
C342	1-102-965-11	39 p		
C343	1-101-361-11	150 p		
C344	1-121-395-11	4.7	25 V	elect
C345	1-108-630-11	0.022	100 V	mylar
C346	1-121-651-11	10	16 V	elect
C347	1-121-651-11	10	16 V	elect
C348	1-101-004-11	0.01		
C349	1-101-004-11	0.01		
C350	1-101-004-11	0.01		
C351	1-101-004-11	0.01		
C352	1-101-004-11	0.01		
C353	1-102-883-11	27 p		
C354	1-102-850-11	56 p		
C355	1-102-720-11	22 p		
C356	1-102-720-11	22 p		
C357	1-102-959-11	22 p		
C358	1-102-959-11	22 p		
C359	1-102-951-11	15 p		
C360	1-102-965-11	39 p		
C361	1-101-361-11	150 p		
C362	1-121-395-11	4.7	25 V	elect
C363	1-121-651-11	10	16 V	elect
C364	1-108-620-11	0.0033	100 V	mylar
C365	1-102-989-11	68 p	500 V	
C366	1-108-614-11	0.001	100 V	mylar
C367	1-108-614-11	0.001	100 V	mylar
C368	1-108-620-11	0.0033	100 V	mylar
C369	1-108-620-11	0.0033	100 V	mylar
C370	1-108-614-11	0.001	100 V	mylar
C371	1-108-634-11	0.047	100 V	mylar

Ref. No.	Part No.	Description		
C372	1-108-614-11	0.001	100 V	mylar
C373	1-108-630-11	0.022	100 V	mylar
C374	1-108-634-11	0.047	100 V	mylar
C375	1-102-976-11	180 p		
C376	1-121-726-11	0.47	50 V	elect
C377	1-108-624-11	0.0068	100 V	mylar
C378	1-101-004-11	0.01		
C379	1-101-006-11	0.047		
C380	1-101-006-11	0.047		
C382	1-108-626-11	0.01	100 V	mylar
C501	1-102-947-11	10 p		
C502	1-108-632-11	0.033	100 V	mylar
C503	1-108-632-11	0.033	100 V	mylar
C504	1-121-391-11	1	50 V	elect
C505	1-108-634-31	0.047	100 V	mylar
C506	1-121-395-11	4.7	25 V	elect
C507	1-108-638-11	0.1	100 V	mylar
C508	1-121-651-11	10	16 V	elect
C509	1-106-212-12	0.047	100 V	mylar
C510	1-106-188-12	0.0047	100 V	mylar
C511	1-106-184-12	0.0033	100 V	mylar
C512	1-108-638-11	0.1	100 V	mylar
C514	1-102-038-11	0.001	500 V	
C515	1-108-634-11	0.047	100 V	mylar
C516	1-121-708-11	10	160 V	elect
C517	1-102-219-11	680 p	1 kV	
C518	1-108-642-11	0.22	100 V	mylar
C519	1-108-549-11	0.68	200 V	mylar
C520	1-121-921-11	10	160 V	elect
C521	1-121-918-11	4.7	100 V	elect
C522	1-123-024-11	33	160 V	elect
C523	1-121-416-11	100	25 V	elect
C524	1-121-396-11	4.7	50 V	elect
C527	1-121-405-11	33	50 V	elect
C528	1-121-738-11	10	50 V	elect
C529	1-108-626-11	0.01	100 V	mylar
C530	1-108-626-11	0.01	100 V	mylar

Ref. No.	Part No.	Description		
C531	1-131-158-11	10	16 V	solid aluminum
C532	1-121-479-11	22	16 V	elect
C533	1-127-024-11	2.2	10 V	solid aluminum
C534	1-121-391-11	1	50 V	elect
C535	1-121-917-11	20	100 V	elect
C536	1-102-100-11	0.0022		
C537	1-121-409-11	47	16 V	elect
C538	1-121-450-11	2.2	50 V	elect
C539	1-121-450-11	2.2	50 V	elect
C540	1-121-751-11	330	6.3 V	elect
C541	1-102-002-11	680 p	500 V	
C542	1-108-690-31	0.0068	200 V	mylar
C545	1-102-973-11	100 p		
C546	1-102-973-11	100 p		
C548	1-102-153-11	100 p	2 kV	
C549	1-101-810-11	100 p	500 V	
C550	1-102-973-11	100 p		
C551	1-102-074-11	0.001		
C552	1-101-004-11	0.001		
C556	1-102-978-11	220 p		
C557	1-108-632-11	0.033	100 V	mylar
C558	1-121-398-11	10	25 V	elect
C571	1-102-074-11	0.001		
C601	1-108-745-11	0.22	300 Vac	mylar
C602	1-102-240-11	0.0047	250 V	
C603	1-123-022-11	22	350 V	elect
C604(A+B)	1-125-080-11	220+47	375 V	elect
C606	1-123-024-11	33	160 V	elect
C607	1-106-180-12	0.0022	100 V	mylar
C608	1-121-189-11	1	160 V	elect
C609	1-101-810-11	100 p	500 V	
C610	1-108-680-11	0.001	200 V	mylar
C611	1-121-395-11	4.7	25 V	elect
C612	1-106-212-12	0.047	100 V	mylar
C613	1-105-961-13	0.047	400 V	mylar
C614	1-105-961-13	0.047	400 V	mylar

Ref. No.	Part No.	Description		
C616	1-121-391-11	1	50 V	elect
C617	1-101-810-11	100 p	500 V	
C618	1-102-074-11	0.001		
C619	1-108-638-11	0.1	100 V	mylar
C621	1-129-739-11	0.1	630 Vac	film
C622	1-108-745-11	0.22	300 Vac	mylar
C701	1-119-327-11	0.47	500 V	elect
C702	1-102-050-11	0.01	500 V	
C801	1-129-885-11	16000 p	1 kV	film
C802	1-129-936-11	7500 p	1.5 kV	mylar
C804	1-102-155-11	330 p	2 kV	included in High Voltage Rectifier Block Ass'y
C805	1-102-219-11	680 p	1 kV	
C806	1-102-038-11	0.001	500 V	
C807	1-102-820-11	330 p		
C808	1-102-038-11	0.001	500 V	
C810	1-102-153-11	100 p	2 kV	
C901	1-105-953-13	0.01	400 V	mylar
VC201	1-141-138-11	5 p		trimmer
SG701	1-519-063-11	Spark Gap, 1.5 kV		
SG702	1-519-063-11	Spark Gap, 1.5 kV		
SG703	1-519-063-11	Spark Gap, 1.5 kV		
SG704	1-519-063-11	Spark Gap, 1.5 kV		
SG705	1-519-063-11	Spark Gap, 1.5 kV		
SG706	1-519-063-11	Spark Gap, 1.5 kV		

RESISTORS

All resistors are in ohms. ± 5 %, ¼ W and carbon type resistors (except special type) are omitted. Check schematic diagram for resistance values. All variable and adjustable resistors have characteristic curve B, unless otherwise noted. k = 1000, M = 1000 k

R188	1-206-688-11	10 k	2W	metal oxide (nonflammable)
R190	1-206-688-11	10 k	2W	metal oxide (nonflammable)
R192	1-206-688-11	10 k	2W	metal oxide (nonflammable)
R263	1-244-857-11	220	½ W	carbon
R264	1-244-859-11	270	½ W	carbon

Ref. No.	Part No.	Description		
R395	1-244-869-11	680	½ W	carbon
R396	1-244-865-11	470	½ W	carbon
R508	1-206-017-11	1.8 k	2 W	metal oxide
R523	1-202-605-11	22 k	½ W	composition
R524	1-207-903-11	10	0.25 A	fuse
R527	1-206-111-11	39 k	1 W	metal oxide
R529	1-211-490-11	4.7		carbon (nonflammable)
R530	1-207-982-11	2.7	0.65 A	fuse
R549	1-207-471-11	4.7	½ W	wirewound
R552	1-206-110-11	33 k	1 W	metal oxide
R554	1-244-901-11	15 k	½ W	carbon
R558	1-244-829-11	15	½ W	carbon
R561	1-244-873-11	1 k	½ W	carbon
R563	1-244-897-11	10 k	½ W	carbon
R564	1-244-901-11	15 k	½ W	carbon
R565	1-244-899-11	12 k	½ W	carbon
R566	1-211-932-11	27	⅛ W	carbon (nonflammable)
R573	1-206-080-11	82	1 W	metal oxide
R574	1-206-688-11	10 k	2 W	metal oxide (nonflammable)
R601	1-207-657-11	10	3 W	wirewound (nonflammable)
R603	1-207-657-11	10	3 W	wirewound (nonflammable)
R604	1-206-823-11	33 k	5 W	metal oxide (nonflammable)
R605	1-244-865-11	470	½ W	
R606	1-244-885-11	3.3 k	½ W	carbon
R608	1-206-483-11	68	2 W	metal oxide (nonflammable)
R611	1-244-901-11	15 k	½ W	carbon
R616	1-206-737-11	3.3 k	3 W	metal oxide (nonflammable)
R618	1-206-698-11	27 k	2 W	metal oxide (nonflammable)
R620	1-206-700-11	33 k	2 W	metal oxide (nonflammable)
R622	1-211-931-11	68	⅛ W	carbon (nonflammable)
R623	1-244-865-11	470	½ W	carbon
R624	1-244-903-11	18 k	½ W	carbon
R628	1-207-942-11	39	7 W	wirewound
R701	1-202-581-11	2.2 k	½ W	composition
R702	1-202-581-11	2.2 k	½ W	composition
R703	1-202-629-11	220 k	½ W	composition
R704	1-202-621-11	100 k	½ W	composition

Ref. No.	Part No.	Description		
R705	1-202-635-11	390 k	½ W	composition
R706	1-202-581-11	2.2 k	½ W	composition
R707	1-202-603-11	18 k	½ W	composition
R708	1-202-637-11	470 k	½ W	composition
R801	1-244-895-11	8.2 k	½ W	
R802	1-206-915-11	19 MΩ+ 31.7 MΩ, high voltage		included in High Voltage Rectifier Block Ass'y
※R803	1-206-916-11	1.8	3 W	metal oxide (nonflammable)
	1-206-918-11	2.7	3 W	metal oxide (nonflammable)
	1-206-921-11	4.7	3 W	metal oxide (nonflammable)
	1-206-922-11	5.6	3 W	metal oxide (nonflammable)
※R804	1-206-925-11	10	3 W	metal oxide (nonflammable)
	1-206-927-11	15	3 W	metal oxide (nonflammable)
	1-206-928-11	18	3 W	metal oxide (nonflammable)
	1-206-929-11	22	3 W	metal oxide (nonflammable)
R805	1-202-597-11	10 k	½ W	composition included in High Voltage Rectifier Block Ass'y
R806	1-217-007-11	1	3 W	wirewound
R901	1-217-521-11	18	20 W	wirewound
VR151	1-222-515-00	330, adjustable; B.DRIVE		
VR152	1-222-515-00	330, adjustable; G.DRIVE		
VR153	1-222-515-00	330, adjustable; R.DRIVE		
VR154	1-222-344-00	5 k, adjustable; B.BKG		
VR155	1-222-344-00	5 k, adjustable; G.BKG		
VR156	1-222-344-00	5 k, adjustable; R.BKG		
VR201	1-222-516-00	470, adjustable; V.TU AGC		
VR202	1-222-516-00	470, adjustable; SND TRAP ADJ		
VR203	1-222-517-00	1 k, adjustable; DET OUT ADJ		
VR204	1-222-518-00	4.7 k, adjustable; U.RF AGC		
VR301	1-222-515-00	330, adjustable; SMB ADJ		
VR302	1-222-515-00	330, adjustable; R-Y ADJ		

※ to be selected

Ref. No.	Part No.	Description
VR501	1-222-725-00	20 k, adjustable; H.FREQ
VR502	1-223-017-00	50, adjustable; TILT
VR503	1-223-017-00	50, adjustable; H.CENT
VR504	1-222-725-00	20 k, adjustable; PIN ADJ
VR505	1-222-344-00	5 k, adjustable; H.SIZE
VR506	1-222-512-00	10 k, adjustable; V.SIZE
VR507	1-222-512-00	10 k, adjustable; V.LIN
VR508	1-222-784-00	3.3 k, adjustable; V.BIAS
VR601	1-222-517-00	1 k, adjustable; 110 V ADJ
VR602	1-222-518-00	4.7 k, adjustable; PP ADJ
VR701	1-222-809-00	500 k, adjustable; SCRN
VR801	1-222-509-00	500 k, adjustable; H.STAT included in High Voltage Rectifier Block Ass'y
VR901	1-222-383-00	1 k x 2, variable; PICTURE
VR902	1-222-388-00	20 k, variable; VER
VR903,S901	1-222-624-00	50 k-D, variable; PULL ON/VOL
VR904	1-222-484-00	1 k, variable; BRIGHT
VR905	1-222-388-00	20 k, variable; COLOR

MISCELLANEOUS

DC801	1-453-028-21	High Voltage Rectifier Block Ass'y
including;		
C804		330 p 2 kV
R802	1-206-915-00	19 MΩ + 31.7 MΩ, high voltage
R805	1-202-597-11	10 k ½ W composition
VR801	1-222-509-00	500 k, variable resistor; H.STAT
	3-705-343-00	Lid, insulating case
F601	1-532-203-00	Fuse, 2 AT
F602	1-532-078-00	Fuse, 1 AT
NE901	1-519-060-00	Neon Lamp, 110 Vdc (UHF)
NE902	1-519-060-00	Neon Lamp, 110 Vdc (VHF)

Ref. No.	Part No.	Description
S491	1-514-897-00	Switch, pushbutton; AFT
S902	1-515-119-00	Circuit Breaker, 1.25 A
SP	1-502-299-00	Speaker, 8 ohms
	1-452-014-00	Magnet, disk; 10 mm dia
	1-452-038-00	Magnet, vertical convergence
	1-452-039-81	Magnet, beam alignment
	1-452-058-00	Magnet, horizontal convergence
	1-452-094-11	Magnet, disk; adjustable
	1-506-187-62	Coaxial Cable with Plug
	1-506-324-11	Coaxial Cable with Plug
	1-526-086-00	Socket, picture tube
	1-526-130-61	Cap, anode
	1-526-144-00	Cap, FBT
	1-526-131-52	Cap, convergence
	1-533-087-00	Holder, fuse
	1-534-587-00	Cord, power
	1-534-630-23	Coaxial Cable with Plug
	1-536-296-00	Lug, terminal; 1L3L1
	1-536-358-12	Terminal Board Ass'y, antenna
including		
C101	1-102-238-11	47 p 250 Vac
C102	1-102-238-11	47 p 250 Vac
C103	1-102-238-11	47 p 250 Vac
C104	1-102-238-11	47 p 250 Vac
C105	1-102-239-11	470 p 250 Vac
C106	1-102-239-11	470 p 250 Vac
C107	1-102-239-11	470 p 250 Vac
C108	1-102-239-11	470 p 250 Vac
T101	1-417-033-00	Balun
T102	1-417-040-00	RF Input
	1-536-393-00	Lug, terminal; 1L1
	8-735-301-05	Picture Tube, 330 AB 22
	X-4308-815-0	Permalloy Ass'y

PACKING MATERIALS AND ACCESSORIES

Part No.	Description
Y-2201-631-0	VHF Telescopic Dipole Antenna (AN14-E)
3-701-352-00	Bag, polyethylene
4-303-350-00	Sheet, protection
4-305-112-00	Cushion, left
4-305-113-00	Cushion, right
4-310-811-00	Carton
4-491-115-11	Manual, instruction; Czech
4-495-502-11	Manual, instruction; Polish, Russian, French and English

9-962-043-01

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